

## Hand-List of the Birds of Borneo.

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About the earliest list of Bornean Birds must be that contained in the Appendix to Hugh Low's book, "Sarawak; its Inhabitants and Productions: being notes during a residence in that country with His Excellency Mr. Brooke." This was published in 1848: and the Appendix appears to be a list of all Bornean species then in the British Museum, which had been enriched by Low's collections of mammals, birds and insects. The list contains 59 species of Birds.

In 1863 P. L. Selater remarks that no connected list of the birds of Borneo had ever been published, and as a start, he gives an account of 134 species from Banjermasin collected by J. L. Motley.

After some 10 years, the great Italian work, "Catalogo sistematico degli Uccelli di Borneo," by Count Salvadori, appeared in 1874. This was largely based on the collections of Doria and Beccari, formed in Sarawak in 1865-7; but at the same time the author incorporated all previous literature on the subject, resulting in a fine volume of some 400 pages, recording and discussing 392 Bornean species, besides indicating about 50 more species which he thought would eventually be found in Borneo, and, sure enough, for the most part have since been found.

A "Liste des Oiseaux de Borneo" by M. Vorderman appeared in 1887, only to be superseded in 1889 by A. H. Everett's "List of the birds of the Bornean Group of Islands," which was published in Journal 20 of the Straits Branch, Royal Asiatic Society. This records 570 species, from which we must deduct 34 from Palawan, which the author includes in his Bornean group. More recent researches indicate that Palawan has a closer affinity with the Philippines than with Borneo and for that reason is usually excluded from a strictly Bornean list.

Although several local lists and miscellaneous papers on the subject have appeared since, this list by the late Mr. A. H. Everett is still the most recent summary of the Birds of Borneo.



In the Philippines there is the Hand-List by R. C. McGregor and D. C. Worcester, which appeared in 1906, followed in 1909 by the former author's admirable "Manual of Philippine Birds," recording 739 species from this extensive region of islands. Then in the Malay Peninsula, Mr. H. C. Robinson, the Director of the Federated Malay States' Museums, has revised his Hand-List of the Birds for that region down to 1910; he records 642 species. To bring Borneo up to date I have prepared the present list, which numbers 555 species.

The extensive, but by no means complete, bibliography given at the end of this list, indicates that much has already been written on the Birds of Borneo, so that general remarks on any of the species are likely to be mere repetitions. The following pages therefore purport to be a bare list (and no more) of all the Birds now known from Borneo.

The order and nomenclature followed is that of the British Museum Hand-list, modified by the introduction of subspecific names and by the researches of recent writers into that never-failing source of contention, "the priority heap," by which I mean the books of those earlier ornithologists whose descriptions have been missed or misunderstood. The study of their writings seems to be more productive of "new" names than any exploration of a new country; however we must continue to hope that the bed-rock of nomenclature will be reached some day. Mr. G. M. Mathews in *Novitates Zoologicae* 1910 (Vol. XVII. pp. 492-503) introduces some important alterations for well-known, long-established names, but as he qualifies these alterations by writing "I cannot claim that all such introductions are final and only offer them and invite criticism.....," I have not adopted them in this list, beyond noticing them in foot-notes.

The evolution of a local list is a subject of some interest, as it indicates the doubtful ways by which the number of species is increased. It appears to go through three distinct stages. First of all (as in the case of Bornean lists), collections from the East Indies (apparently labelled thus) were sent to Europe for study, and their interest lay in the fact that they came from a new region; the subordinate fact that some specimens came from Java, others from the Moluccas and so on, was of less moment, so our Bornean list obtained rather a false start by the addition of foreigners.

The second stage is marked by a glut of descriptions, based on single specimens, on one sex or on restricted local varieties. This stage may be said to culminate in the great *Hand-list of Birds* issued by the British Museum (1899-1909), where all these names are listed as separate *species*. The compiler of a local list during the period of these two stages has therefore to face a good deal of weeding work. Borneo has been particularly fortunate in the



eminent ornithologists who have interested themselves in this work, so that the weeding process has progressed with great care and exercise of sound principles.

The third stage is essentially one of reduction, which is simplified by the use of subspecific names. Sufficient time has also elapsed for us to assert with some confidence that a typical Australian species, for instance, recorded in 1840 from Borneo, but not again since, does *not* occur in Borneo at all. From our 20th century standpoint we can feel sure that this old record was a mistake. The use of subspecific names, which is really only an expression of our belief in Evolution, assists materially the work of reduction. Slightly differing forms are descended from forms, which in turn slightly differ from their parent forms; geological changes in the face of the earth assist newly separated groups of individuals to develop characteristics of their own by which they differ from their parent forms, who in turn evolve on a line of their own, again differing slightly, so that we can distinguish *geographical races* or *sub-species*.

In drawing up our list we find that two forms hitherto recorded as two separate and distinct *species* in Borneo can be reduced to one, to which the second has to be referred as a slightly different *local race* occupying a different part of the country or altitude. The conclusion of this third stage we hope will be a revised edition of the British Museum Hand-list, with full regard paid to the subspecific or specific distinctions of all named forms. Local lists, such as this, can only be offered as material for assistance in the production of that revised Hand-list; in no sense can they claim to be final. For that reason the present adoption or rejection of any particular name is of comparatively little importance, as it merely implies the opinion of one individual against that of another, with the excellent chance of a third individual correcting both.

The evolution of our nomenclature proceeds in two ways, (i) by small and continual changes, such as the description of new forms, the recovery of old names, the publication of local lists, etc. and (ii) by big mutations,—a happy combination of the two great rival theories! These “mutations” are exemplified by the great catalogues which appear once every 40 or 50 years, each forming a new basis for further study. In the Insect world we have good instances in the great Catalogue of Coleoptera issued by Gemminger and Harold in 1870, now superseded by Schenkling's *Coleopterorum Catalogus*; similarly Kirby's great catalogue of Diurnal Lepidoptera of the same date is now giving place to Seitz's “*Macrolepidoptera of the world*.”

I have departed slightly from the usual method of writing trinomials by marking the difference between the specific and subspecific names.



The usual way adopted of course is to write them thus:

*Chloropsis viridis viriditectus* Hartert.

The objection to this is that we have to remember an extra name, resulting, more often than not, in forgetting both. It seems more important to remember the *specific* name first, as it denotes the whole distribution of that one species; then stretch our memory a little further to remember that it is followed by a subspecific name, and we know that the Bornean form is slightly different, which appears to me sufficient for all practical purposes. As the form in question is consistently different in some small points it is rightly given a name, which I indicate in less prominent type.

Another "improvement" (if such it is) I have adopted is the retention of the author's name for the species. In the instance given above this is dropped out and the author of the subspecies apparently gets the credit for all three names! But on the principal of "honour to whom honour is due," I have retained it, and partly because it serves to mark off the subspecific name as a thing apart.

Carrying this to its logical conclusion I should put the author's name after the genus too, but here I plead the necessity of generic and specific names running together. Altered to the "ideal" form therefore, adopted throughout this list, the above-mentioned species is written thus:—

CHLOROPSIS VIRIDIS Horsfield *viriditectus* Hartert.

shortened to:—

CHLOROPSIS VIRIDIS Horsf. *viriditectus* Hart.

The use of the subspecific name, whether the same as the specific, or not, implies that other subspecies exist in neighbouring countries.

To add a little local interest to an otherwise dull list of names I have endeavoured to give (i) the name of the first man who collected each species in Borneo and the earliest date of its capture, (ii) the name of the first man who recorded it from Borneo and the date of his published record.

With the older records this has proved rather difficult and those given as before 1855 must be accepted as *apparently* the first records. Thanks to the copious literature on the Birds of Borneo, I have been able to give names and dates for most of the birds collected from that year onwards. The number in thick type between the names of collector and recorder refers to the bibliography which follows the list of species.

The earliest note in literature on any Bornean bird appears to be that of the historian of the T'ang dynasty (618-906).



Groeneveldt<sup>1</sup> translates the passage thus: "There is also a bird called s'âri (beo<sup>2</sup>, gracula religiosa<sup>3</sup>), which understands human speech; its body is black, its head red and it has claws like a hawk." This note appears in an account of Poli, which Groeneveldt, following all Chinese geographers, places on the north coast of Sumatra. Hose and McDougall<sup>4</sup>, however, give reasons for supposing it to be in Borneo.

In the history of the Ming dynasty (1368-1643) among the products of the country of Banjermasin are mentioned peacocks and parrots<sup>5</sup>, neither of which (*sens. strict.*) occur in Borneo, though we have of course a peacock-pheasant and parroquets.

Captain Daniel Beeckman<sup>6</sup> visited Banjermasin in 1714. In describing the features of the country he writes: "As to the Birds, I met with none such as we have in *England*, except the Sparrow. Here are Parrots and Parroquets of various sorts and sizes, from the bigness of a Bulfinch to that of a Raven; particularly a sort called by the *Banjareens* Luree (that are brought hither by the *Maccassars*) which they so much admire for their Beauty, Docility and sweet Smell, that there are few Houses without one of them; they give sometimes six or seven pieces of Eight for one; I bought several, but the cold Weather at Sea killed them."

However, interesting as these old writers are, we may confine our "earliest" records to post-Linnean days (1758 and after) from which the present-day system of scientific nomenclature dates.

During the time of the Dutch East India Company which came to an end in 1796, nothing seems to have been done to explore the interior of Borneo, the Company contenting themselves with a few trading posts established on the south and west coasts. In 1820 however a start was made by the Natural History Commission of Batavia, who appointed naturalists to collect and explore in Borneo.

The principal pioneers of this time are Diard (1826), Salomon Muller (1836), Henrici (1832), Schwaner (1841-7), and Croockewit (1851)<sup>7</sup>.

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1. W. P. Groeneveldt. "Notes on the Malay Archipelago and Malacca, compiled from Chinese sources." 1876. Batavia. p. 83.
  2. Finsch (1905) quotes von Berchtold who collected this in Borneo "Bei Pontianak heisst dieser Vogel 'Beo', am oberen Kapuas 'Teong.'"
  3. The Mynah, now known as *Eulabes javanensis* (Borneo, Sumatra, Java, Malacca and South Burmah), probably a subspecies of the Indian *E. religiosa*, has a black head; but the prominent yellow wattles and beak may be responsible for the description of red head.
  4. C. Hose and W. McDougall. "The Pagan Tribes of Borneo." 1912. Vol. I. p. 11.
  5. Groeneveldt, *l. c.* p. 107.
  6. Daniel Beeckman. "A Voyage to and from the Island of Borneo." 1718, pp. 38, 39.
  7. For a good summary of collectors and recorders of Bornean Birds see O. Finsch in *Notes from the Leyden Museum*, Vol. XXVI. pp. 1-8, 1905.



Northern Borneo remained practically a *terra incognita* until the arrival of Sir James Brooke in Sarawak in 1839 and his subsequent installation as Rajah in 1842.

Sir James Brooke himself is responsible for many Bornean birds in the British Museum, but the real start in Sarawak was made by Hugh Low, a young naturalist who came out in 1846, and published his experiences in 1848. At the end of his book, as already mentioned, appears the first list of Bornean Birds.

The bibliography I have given at the end of this paper indicates the further development of the study of the Bornean Avifauna. Although extensive this bibliography is by no means complete.

It has been compiled for three purposes: (i) with reference to all first records of Bornean species, (ii) with reference to the latest names adopted in this list, and (iii) with reference to all papers strictly devoted to Bornean birds.

Some notes on the geographical distribution of Bornean birds are reserved for another occasion.

The records of the 555 species accepted in the following list from Borneo are due to 43 different authors. Of these the name of Dr. R. B. Sharpe stands out a long way ahead of the others as responsible for the addition of no less than 145 species to the Bornean list. Next to him come the celebrated ornithologists, Salvadori, Sclater and Schlegel, each responsible for about 50 species. Bonaparte, Muller, Motley and Dillwyn, follow with over 30 species each (the last two authors write in conjunction).

Turning to collectors (or employers of native collectors) who are responsible for our knowledge of the Avifauna of Borneo, we find 36 names in all, of whom five stand out: Muller with nearly 70 species, Diard and Schwaner with over 50 each from Dutch Borneo, Whitehead who added 59 species from Northern Borneo only, and Motley with 58 from Labuan and Banjarmasin. In Sarawak the joint collections of Doria and Beccari added over 40 species. The late Mr. A. H. Everett was responsible for 28 species, collected in Sarawak and in North Borneo. The Sarawak Museum has added 12 species to the list.

The following figures illustrate the rate at which the Bornean list has grown:

Up to the end of 1850 about 50 non-Passerine birds had been recorded and about 60 Passerines. The former increased (in round numbers) to 100 in 1860, to 180 in 1870, to 240 in 1880, the latter to 80 in 1860, to 120 in 1870, to 170 in 1880. In the following decade, Whitehead's great collections were described; these were in the main responsible for the last great increase; the non-Passerine birds went up to about 290 by the end of 1890, the Passerines increased from 170 to nearly 240; the next decade added 26 to the former, 9 to the latter. Since 1901, six non-Passerine and nine Passerine birds have been added.



## ORDER I. GALLIFORMES.

## Sub-Order I. Megapodii.

## FAM. I. MEGAPODIIDAE.

1. MEGAPODIUS NICOBARIENSIS Blyth *cumingi* Dillw.  
Cuming's Megapode. Motley **38** Dillwyn 1851.

## Sub-Order II. Phasiani.

## FAM. II. PHASIANIDAE.

2. RHIZOTHERA LONGIROSTRIS Temm. *longirostris* Temm.  
The Long-billed Francolin. A. H. Everett **225** Walden 1872.
3. RHIZOTHERA LONGIROSTRIS Temm. *dulitensis* Grant.  
The Dulit Long-billed Francolin. C. Hose **72** Grant 1895.
4. ARBORICOLA BRUNNEIPECTUS Blyth *hyperythra* Sharpe.  
The Lawas Tree-Partridge. Treacher **163** Sharpe 1879.
5. ARBORICOLA GRAYDONI Sharpe and Chubb.  
Graydon's Tree-Partridge.  
Graydon **207** Sharpe & Chubb 1909.
6. TROPICOPERDIX CHARLTONI Eyton.  
Charlton's Forest-Partridge.  
1881 W. B. Pryer **115** Nicholson 1883.<sup>1</sup>
7. HAEMATORTYX SANGUINICEPS Sharpe.  
The Crimson-headed Wood-Partridge.  
Treacher **163** Sharpe 1879.
8. CALOPERDIX OCULEA Temm. *borneensis* Grant.  
The Bornean Ferruginous Wood-Partridge.  
C. Hose **71** Grant 1893.
9. ROLLULUS ROULROUL Scop.  
The Crested Wood-Partridge.  
1836 S. Muller **113** S. Muller 1839-44.
10. MELANOPERDIX NIGRA Vig.  
The Black Wood-Partridge. 1826 Daird **138** Schlegel 1857.
11. EXCALFACTORIA CHINENSIS Linn.  
The Painted Quail. 1860 Motley **141** Sclater 1863.
12. ACOMUS ERYTHROPHthalmus Raffl. *pyronotus* Gray.  
The Bornean Crestless Fireback.  
1845 Schwaner **19** Bonaparte 1856.
13. LOPHURA NOBILIS Schl.  
The Bornean Crested Fireback.  
1836 S. Muller **113** S. Muller 1839-44.
14. LOBIOPHASIS BULWERI Sharpe.  
Bulwer's Wattled Pheasant. Low **148** Sharpe 1874.

1. Sharpe (1890) states that this was obtained by Pryer, but was left out of his list by accident in 1881. Nicholson (1883) is thus the first to record it, though his specimen was collected by Lempriere.



15. *POLYPLECTRUM MALACCENSIS* Scop. *schleiermacheri* Brüggem.  
The Bornean Peacock Pheasant.  
Fischer **22** Brüggemann 1877.
16. *ARGUSIANUS ARGUS* Linn. *grayi* Elliott.<sup>1</sup>  
The Bornean Argus Pheasant.  
1836 S. Muller **113** S. Muller 1839-44.

## ORDER II. COLUMBIFORMES.

### FAM. III. TRERONIDAE.

#### Sub-fam. 1. Treroninae.

17. *SPHENOCERCUS OXYURUS* Temm.  
The Long-tailed Green Pigeon.  
1843-7 Schwaner **16** Bonaparte 1854.
18. *BUTRERON CAPELLI* Temm.  
The Large Thick-billed Green Pigeon.  
1836 S. Muller **141** Sclater 1863.
19. *TRERON NIPALENSIS* Hodgs.  
The Thick-billed Green Pigeon.  
1836 S. Muller **113** S. Muller 1839-44.
20. *OSMOTRERON FULVICOLLIS* Wagl. *fulvicollis* Wagl.  
The Rufous-necked Fruit Pigeon. **221** Temminck 1835.
21. *OSMOTRERON FULVICOLLIS* Wagl. *baramensis* Meyer.  
The Chestnut-breasted Fruit Pigeon.  
W. B. Pryer **166** Sharpe 1881.
22. *OSMOTRERON VERNANS* Linn.  
The Rosy-necked Fruit Pigeon.  
1843-7 Schwaner **105** Motley & Dillwyn 1855.
23. *OSMOTRERON OLAX* Temm.  
The Common Green Pigeon.  
1843-7 Schwaner **141** Sclater 1863.

#### Sub-fam. 2. Ptilopodinae.

24. *LEUCOTRERON JAMBU* Gm.  
The Jambu Fruit Pigeon.  
1843-7 Schwaner **141** Sclater 1863.

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1. H. J. Kelsall (1891) describes a new Jungle Fowl as *Gallus violaceus* from a specimen in confinement in the Botanic Gardens, Singapore. It was obtained by a native dealer who said it (and one other) came from Borneo.

The same writer (1894) notes two more in the possession of a Singapore dealer, who said he thought they came from Java. Beebe (1914) in "Zoologica" p. 284, states that it is a first generation hybrid between a wild cock *Gallus varius* and a domestic hen, "known to the Javanese as Bekisars."



Sub-fam. 3. *Carpophaginae*.

25. *CARPOPHAGA AENEAE* Linn.  
The Green Imperial Pigeon.  
1854-6 Wallace<sup>1</sup> **141** Selater 1863.
26. *CARPOPHAGA PICKERINGI* Cass.  
Pickering's Tree Pigeon. A. H. Everett **67** Grant 1888.
27. *DUCULA BADIA* Raffles.  
The Brown Fruit Pigeon.  
1888 Whitehead **177** Sharpe 1888.
28. *MYRISTICIVORA BICOLOR* Scop. *bicolor* Scop.  
The Nutmeg Pigeon.  
1843-7 Schwaner **105** Motley & Dillwyn 1855.

FAM. IV. *COLUMBIDAE*.Sub-fam. 1. *Columbinae*.

29. *COLUMBA GRISEA* Bp.  
The Grey Rock-Pigeon. 1826 Diard **132** Salvadori 1874.
30. *COLUMBA GRISEIGULARIS* Wald. and Layard.  
The Grey-throated Rock-Pigeon. Pretyman **44** Everett 1887.

Sub-fam. 2. *Macropygiinae*.

31. *MACROPYGIA PHILASIANELLA* Temm. *emiliana* Bp.  
The Malayan Cuckoo-Dove. Treacher **163** Sharpe 1879.
32. *MACROPYGIA RUFICEPS* Temm. *nana* Stresem.  
The Little Bornean Cuckoo-Dove.  
1887 Whitehead **185** Sharpe 1890.

FAM. V. *PERISTERIDAE*.Sub-fam. 1. *Turturinae*.

33. *STREPTOPELIA BITORQUATA* Temm. *dussumieri* Temm.  
The Bornean Turtle-Dove. Pryer **166** Sharpe 1881.
34. *SPILOPELIA CHINENSIS* Scop. *tigrina* Temm.  
The Malayan Spotted Dove.  
1843-7 Schwaner **138** Schlegel 1857.

Sub-fam. 2. *Geopelinae*.

35. *GEOPELIA STRIATA* Linn.  
The Barred Ground Dove.  
1843-7 Schwaner **138** Schlegel 1857.

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1. Wallace published his record in 1865; his visit to Sarawak lasted from the end of 1854 to the beginning of 1856. Motley was in Labuan up to 1855, when the *Natural History of Labuan* was produced. In 1860 he was killed in Banjarmasin, but there seems to be no clue to date his removal from Labuan to Banjarmasin.



## Sub-fam. 3. Phabinae.

36. CHALCOPHAPS INDICA Linn.

The Bronze-winged Dove.

1836 S. Muller **17** Bonaparte 1854.

## Sub-fam. 4. Caladeninae.

37. CALAENAS NICOBARICA Linn.

The Nicobar Pigeon.

Low **152** Sharpe 1875.

## ORDER III. RALLIFORMES.

## FAM. VI. RALLIDAE.

38. HYPOTAENIDIA STRIATA Linn.

The Blue-breasted Banded Rail.

1860 Motley **141** Selater 1863.

39. RALLINA FASCIATA Raffles.

The Malayan Banded Crake.

1866 Doria **132** Salvadori 1874.

40. PORZANA PUSILLA Pall.
- auricularis*
- Reichenb.

Baillon's Eastern Crake. A. H. Everett **154** Sharpe 1877.

41. POLIOLIMNAS CINEREUS Vieill.

The Sandwich Rail.

<sup>1</sup>**19** Bonaparte 1856.

42. LIMNOBAENUS FUSCUS Linn.

The Ruddy Crake. 1843-7 Schwaner **139** Schlegel 1863.

43. LIMNOBAENUS PAYKULLI, Ljung.

The Barred Crake. 1854-6 Wallace **226** Wallace 1865.

44. AMAURORNIS PHOENICURA Forst.
- javanica*
- Horsf.

The White-breasted Water-hen.

1826 Diard **105** Motley & Dillwyn 1855.

45. GALLINULA TENEBROSA Gould
- frontata*
- Wall.

Wallace's Malayan Moor-hen. Grabowsky **10** Blasius 1884.

46. GALLINULA CHLOROPUS Linn.
- orientalis*
- Horsf.

The Eastern Moor-hen.

1843-7 Schwaner **139** Schlegel 1865.

47. GALLICREX CINEREA Gm.

The Water-cock.

1860 Motley **141** Selater 1863.

48. PORPHYRIO CALVUS Vieill.
- calvus*
- Vieill.

The Javan Gallinule.

1867 Semmelink **21** Bruggemann 1876.

## ORDER IV. PODICIPEDIFORMES.

## FAM. VII. PODICIPEDIDAE.

49. PODICEPS FLUVIATILIS Tunst.
- philippensis*
- Bonnat.

The Philippine Grebe.

A. H. Everett **73** Grant 1898.

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1. Dr. Van Oort informs me that this species is represented in the Leyden Museum from Borneo, but that no collector's name is given.



50. *PODICEPS TRICOLOR* Gray.

Gray's Eastern Grebe.

**223** Vorderman 1887.

## ORDER V. PROCELLARIIFORMES.

### FAM. VIII. PUFFINIDAE.

#### Sub-fam. Puffininae.

51. *PUFFINUS LEUCOMELAS* Temm.

The Eastern Shearwater.

Pryer **166** Sharpe 1881.

## ORDER VI. LARIFORMES.

### FAM. IX. LARIDAE.

#### Sub-fam. 1. Sterninae.

52. *HYDROCHELIDON LEUCOPTERA* Meisn. and Schinz.

The White-winged Black Marsh-Tern.

1881 Grabowsky **9** Blasius 1883.

53. *HYDROCHELIDON HYBRIDA* Pall.<sup>1</sup>

The Whiskered Marsh-Tern. 1826 Diard **139** Schlegel 1863.

54. *GELOCHELIDON ANGLICA* Mon.<sup>2</sup>

The Gull-billed Tern.

1860 Motley **141** Selater 1863.

55. *STERNA BERGII* Licht.

The Caspian Tern.

Motley **105** Motley & Dillwyn 1855.

56. *STERNA ANAETHETA* Scop. *anaetheta* Scop.

The Panayan Tern.

1826 Diard **139** Schlegel 1863.

57. *STERNA FULIGINOSA* Gm.<sup>3</sup>

The Sooty Tern.

**123** Pelzeln 1865.

58. *STERNA MINUTA* Linn. *sinensis* Gm.

The Chinese Tern.

1826 Diard **139** Schlegel 1863.

59. *STERNA MELANAUCHEN* Temm.<sup>4</sup>

The Black-naped Tern.

1867 Beccari **132** Salvadori 1874.

60. *ANOUS STOLIDUS* Linn.

The Common Noddy.

**123** Pelzeln 1865.

61. *MICRANOUS<sup>5</sup> LEUCOCAPILLUS* Gould.

The White-headed Noddy.

Ussher **157** Sharpe 1878.

1. Mathews substitutes *leucoparcia* Natt. for *hybrida*.

2. Mathews substitutes *nilotica* Gm. for *anglica*.

3. Mathews substitutes *fuscata* Linn. for *fuliginosa*.

4. Everett (1889) records both *S. melanauchen* and *S. sumatranus* from Borneo; for the latter he quotes Doria and Beccari's collection named by Salvadori. Saunders (1896) places Everett's name as a synonym of *S. saundersi* and Salvadori's under *S. melanauchen*, although both records refer to the same bird!!

5. Mathews substitutes *Megalopterus* Boie for *Micranous*.



## Sub-fam. 2. Larinae.

62. LARUS RIDIBUNDUS Linn.

The Brown-headed Gull.

**201** Sharpe<sup>1</sup> 1899.

## ORDER VII. CHARADRIIFORMES.

## Sub-Order I. Charadrii.

## FAM. X. CHARADRIIDAE.

## Sub-fam. 1. Arenariinae.

63. ARENARIA<sup>2</sup> INTERPRES Linn.

The Turnstone.

1866 Beccari **132** Salvadori 1874.

## Sub-fam. 2. Charadriinae.

64. SQUATAROLA HELVETICA Linn.<sup>3</sup>The Grey Plover. 1826 Diard **105** Motley & Dillwyn 1855.65. CHARADRIUS<sup>4</sup> DOMINICUS Mull. *fulvus* Gm.

The Eastern Golden Plover.

1836 S. Muller **105** Motley & Dillwyn 1855.66. OCHTHODROMUS<sup>5</sup> GEOFFROYI Wagl.

The Large Sand-Plover.

1826 Diard **141** Selater 1863.

67. OCHTHODROMUS PYRRHOTHORAX Gould.

The Lesser Sand-Plover.

1826 Diard **139** Schlegel 1865.

68. OCHTHODROMUS VEREDUS Gould.

The Eastern Dotterel.

A. H. Everett **45** Everett 1889.69. AEGIALITIS<sup>6</sup> DUBIA Scop.

The Little Ringed Plover.

1836 S. Muller **141** Selater 1863.

70. AEGIALITIS PERONI Bp.

The Malayan Ringed Plover.

1836 S. Muller **105** Motley & Dillwyn 1855.

71. AEGIALITIS ALEXANDRINUS Linn.

The Kentish Plover.

1886 Whitehead **45** Everett 1889.

## Sub-fam. 3. Himantopodinae.

72. HIMANTOPUS<sup>7</sup> HIMANTOPUS Linn.

The Black-winged Stilt.

Grabowsky **10** Blasius 1884.

73. HIMANTOPUS LEUCOCEPHALUS Gould.

The Australian Stilt.

1843-7 Schwaner **139** Schlegel 1864.

1. Sharpe (1899) gives "Indian Ocean, China to Malay Archipelago (winter)" in his note of the distribution of this species. I can find no record of it on the shores of Borneo.

2. Mathews substitutes *Morinella* Meyer and Wolf for *Arenaria*.

3. Mathews substitutes *squatarola* Linn. for *helvetica*.

4. Mathews substitutes *Pluvialis* Schaeffer for *Charadrius*.

5. Mathews substitutes *Eupoda* Brandt for *Ochthodromus*.

6. Mathews substitutes *Charadrius* Linn. for *Aegialitis*.

7. Mathews substitutes *Hypsibates* Nitzsch. for *Himantopus*.



## Sub-fam. 4. Totaninae.

74. NUMENIUS ARQUATA Linn.  
The Curlew. 1851 Croockewit **139** Schlegel 1864.
75. NUMENIUS CYANOPUS Vieill.  
The Eastern Curlew. 1851 Croockewit **139** Schlegel 1864.
76. NUMENIUS PHAEOPUS Linn. *variegatus* Scop.  
The Eastern Whimbrel. 1843-7 Schwaner **139** Schlegel 1864.
77. LIMOSA LAPPONICA Linn. *novae-zealandiae* Gray.  
The Bar-tailed Godwit. A. H. Everett **157** Sharpe 1878.
78. LIMOSA LIMOSA Linn.  
The Black-tailed Godwit. 1826 Diard **139** Schlegel 1864.
79. MACRORHAMPHUS<sup>1</sup> TACZANOWSKII Verr.  
The Larger Brown Snipe. 1826 Diard **139** Schlegel 1864.
80. TOTANUS CALIDRIS Linn.  
The Common Redshank. 1826 Diard **139** Schlegel 1864.
81. TOTANUS STAGNATILIS Bechst.  
The Marsh Sandpiper. 1843-7 Schwaner **139** Schlegel 1864.
82. HELODROMAS<sup>2</sup> OCHROPUS Linn.  
The Green Sandpiper. **201** Sharpe<sup>2</sup> 1899.
83. HETERACTITIS<sup>3</sup> BREVIPES Vieill.  
1836 S. Muller **113** S. Muller 1839-44.  
The Short-legged Sandpiper.
84. TRINGOIDES<sup>4</sup> HYPOLEUCUS Linn.  
The Common Sandpiper.  
1836 S. Muller **113** S. Muller 1839-44.
85. TEREKIA<sup>5</sup> CINEREA Guldenst.  
The Terek Sandpiper. 1865 Beccari **132** Salvadori 1874.
86. PSEUDOGLOTTIS GUTTIFER Nordm.  
Armstrong's Sandpiper.  
1913 Sarawak Museum **111** Moulton 1914.
87. GLOTTIS NEBULARIUS Gunn.  
The Greenshank. 1826 Diard **139** Schlegel 1864.
88. RHYACOPHILUS GLAREOLA Gm.  
The Wood Sandpiper. 1836 S. Muller **139** Schlegel 1864.

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1. Mathews substitutes *Limnodromus* Neuwied for *Macrorhamphus*.

2. Mathews substitutes *Tringa* Linn. for *Helodromas*.  
Sharpe (1899) in the *Hand-List* gives the distribution of this species as "Europe and N. Asia: Africa, Indian Peninsula to Malay Archipelago (winter)."  
I can find no record of it for Borneo.

3. Mathews substitutes *Heteroscelus* Baird for *Heteractitis*.

4. Mathews substitutes *Actitis* Illiger for *Tringoides*.

5. Mathews substitutes *Xenus* Kaup for *Terekia*.



## 89. PAVONCELLA PUGNAX Linn.

The Ruff.

Lempriere **115** Nicholson 1883.

## Sub-fam. 5. Scolopacinae.

90. CALIDRIS<sup>1</sup> ARENARIA Linn.<sup>1</sup>

The Sanderling.

A. H. Everett **47** Everett 1890.91. LIMONITES MINUTA Leisl. *ruficollis* Pall.The Eastern Little Stint. 1866 Beccari **132** Salvadori 1874.

## 92. LIMONITES DAMACENSIS Horsf.

The Long-toed Stint. 1843-7 Schwaner **139** Schlegel 1864.93. ANCYLOCHILUS<sup>2</sup> SUBARQUATUS Guldenst.<sup>2</sup>.The Pigmy Curlew. 1826 Diard **113** S. Muller 1839-44.94. TRINGA<sup>3</sup> CRASSIROSTRIS Temm. and Schleg.<sup>3</sup>The Eastern Knot. 1826 Diard **139** Schlegel 1864.

## 95. PELIDNA ALPINA Linn.

The Dunlin.

1836 S. Muller **139** Schlegel 1864.

## 96. LIMICOLA PLATYRHYNCHA Temm.

The Broad-billed Sandpiper.

**201** Sharpe<sup>4</sup> 1899.

## 97. GALLINAGO STENURA Kuhl.

The Pintail Snipe. 1843-7 Schwaner **139** Schlegel 1864.

## 98. GALLINAGO MEGALA Swinh.

Swinhoe's Pintail Snipe.

1887 Whitehead<sup>5</sup> **185** Sharpe 1890.

## 99. GALLINAGO GALLINAGO Linn.

The Common Snipe. 1885 Whitehead **145** Seebohm 1887.

## 100. ROSTRATULA CAPENSIS Linn.

The Painted Snipe. 1851 Croockewit **139** Schlegel 1864.1. Mathews substitutes *Arenaria* Bechst. for *Calidris* and *leucophaea* Pall. for *arenaria*.2. Mathews substitutes *Erolia* Vieillot for *Ancylochilus* and *ferruginea* Brunnich for *subarquatus*.3. Mathews substitutes *Canutus* Brehm for *Tringa* and *magnus* Gould for *crassirostris*.4. Sharpe (1899) in the *Hand-List* gives the Eastern range of this species as "Indian Peninsula, China to Moluccas (*winter*)."  
I can find no record for Borneo.

5. Whitehead notes that "this was apparently the commonest Snipe in Borneo, nearly all the Snipes shot in that island and Palawan being of this species."

All the Snipe in the Sarawak Museum come from Sarawak (Baram to Kuching) and all are referable to *Gallinago stenura*. A four days' bag (193 head, which is large for Sarawak) was obtained at Lundu, Western Sarawak, in January this year and I found they were all *G. stenura*.

The occurrence of *G. gallinago* seems to be based on one specimen shot by Whitehead at Labuan in 1885.



**Sub-Order II. Parrae.****FAM. XI. PARRIDAE.**

101. *HYDROPHASIANUS CHIRURGUS* Scop.  
The Pheasant-tailed Jacana. Grabowsky **10** Blasius 1884.
102. *HYDRALECTOR*<sup>1</sup> *GALLINACEA* Temm.  
The Australian Jacana. Grabowsky **10** Blasius 1884.

**Sub-Order III. Cursorii.****FAM. XII. GLAREOLIDAE.**

103. *STILTIA ISABELLA* Vieill.  
The Long-legged Pratincole.  
1843-7 Schwaner **139** Schlegel 1865.
104. *GLAREOLA*<sup>2</sup> *ORIENTALIS* Leach.  
The Large Indian Pratincole.  
1843-7 Schwaner **132** Salvadori 1874.

**Sub-Order IV. Oedicnemi.****FAM. XIII. OEDICNEMIDAE.**

105. *ORTHORHAMPHUS MAGNIROSTRIS* Vieill.  
The Large-billed Thicknee. A. H. Everett **43** Everett 1886.

**ORDER VIII. ARDEIFORMES.****Sub-Order I. Plataleae.****FAM. XIV. IBIDAE.**

106. *IBIS MELANOCEPHALUS* Lath.  
The White Ibis. 1892 Sarawak Museum **215** Shelford 1902.<sup>3</sup>
107. *INOCOTIS PAPILLOSA* Temm.  
The Black Ibis. 1836 S. Muller **113** S. Muller 1839-44.
108. *PLEGADIS*<sup>4</sup> *FALCINELLUS* Linn.  
The Glossy Ibis. 1851 Croockewit **139** Schlegel 1863.

**FAM. XIVa. PLATALEIDAE.**

- 108a. *PLATALEA REGIA* Gould.  
The Australian Spoonbill. **45** Everett<sup>5</sup> 1889.]

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1. Mathews substitutes *Irediparra* Mathews for *Hydralector*.
2. Mathews substitutes *Trachelia* Scopoli for *Glareola*.
3. Two specimens in the Sarawak Museum; Shelford records the second.
4. Mathews substitutes *Egatheus* Billberg for *Plegadis*.
5. Everett records *Platalea intermedia* Grant from Borneo *fide* Buttikofer. Dr. Van Oort kindly calls my attention to his paper in *Notes from the Leyden Museum*. Vol. XXIX. p. 68, in which he shows that the Bornean record rests on a bird from Boeroe (=Buru). The species therefore must be expunged from the Bornean list.



## Sub-Order II. Ciconiae.

## FAM. XV. CINCONIIDAE.

109. DISSOURA EPISCOPUS Bodd. *stormi* Blas.  
The White-necked Stork. <sup>1</sup>**139** Schlegel 1864.
110. LEPTOPTILUS JAVANICUS Horsf.  
The Smaller Adjutant. 1865-7 Beccari **132** Salvadori 1874.

## Sub-Order III. Ardeae.

## FAM. XVI. ARDEIDAE.

111. PYRRHERODIAS PURPUREA Linn. *manillensis* Meyer.  
The Eastern Purple Heron.  
1843-7 Schwaner **105** Motley & Dillwyn 1855.
112. ARDEA SUMATRANA Raffles.  
The Dusky Grey Heron. Ussher **163** Sharpe 1870.
113. MESOPHOYX INTERMEDIA Wagl.  
The Smaller Egret. 1865 Doria **132** Salvadori 1874.
114. HERODIAS ALBA Linn. *timoriensis* Less.  
The Timor Egret. 1826 Diard **139** Schlegel 1863.
115. LEPTERODIUS GULARIS Bosc. *asha* Sykes.  
The Indian Reef Heron.  
1902 Sarawak Museum **214** Shelford 1901.<sup>2</sup>
116. GARZETTA<sup>3</sup> GARZETTA Linn.  
The Little Egret.  
1851 Croockewit **105** Motley & Dillwyn 1855.
117. DEMIEGRETTA SACRA Gm.  
The Eastern Blue Heron.  
Motley **105** Motley & Dillwyn 1855.
118. NYCTICORAX NYCTICORAX Linn.  
The Night Heron. 1851 Croockewit **141** Selater 1863.
119. NYCTICORAX MANILLENSIS Vig.  
The Philippine Night Heron.  
A. H. Everett **198** Sharpe 1894.
120. GORSACHIUS MELANOLOPHA Raffles.  
The Malay Bittern. Treacher **163** Sharpe 1879.
121. BUTORIDES JAVANICA Horsf. *javanica* Horsf.  
The Little Green Heron.  
1836 S. Muller **105** Motley & Dillwyn 1855.

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1. A Bornean specimen in the Leyden Museum purchased in 1863. Collector unknown.
2. In the Sarawak Museum Report dated Feb. 1901, Shelford states that this species must be added to the Bornean fauna. The oldest specimen in the Museum is dated 1902.
3. Mathews substitutes *Egretta* Forster for *Garzetta*.



122. *BUTORIDES JAVANICA* Horsf. *amurensis* Schrenck.  
The Northern Little Green Heron.  
1836 S. Muller **105** Motley & Dillwyn 1855.
123. *ARDEOLA BACCHUS* Bp.  
The Chinese Pond-Heron. C. Hose **209** Sharpe 1898.
124. *ARDEOLA SPECIOSA* Horsf.  
The Malayan Pond-Heron.  
1841-7 Schwaner **139** Schlegel 1863.
125. *BUBULCUS COROMANDA* Bodd.  
The Cattle Egret. 1865 Doria **132** Salvadori 1874.
126. *ARDETTA*<sup>1</sup> *SINENSIS* Gm.  
The Yellow Bittern. 1841-7 Schwaner **139** Schlegel 1863.
127. *ARDETTA CINNAMOMEA* Gm.  
The Chestnut Bittern. 1841-7 Schwaner **139** Schlegel 1863.
128. *NANNOCNUS EURYTHMUS* Swinh.  
The Eastern Bittern. 1841 Schwaner **139** Schlegel 1863.<sup>2</sup>
129. *DUPETOR*<sup>3</sup> *FLAVICOLLIS* Lath. *flavicollis* Lath.  
The Black Bittern. 1836 S. Muller **139** Schlegel 1863.

## ORDER IX. ANSERIFORMES.

## FAM. XVII. ANATIDAE.

## Sub-fam. 1. Plectropterinae.

130. *NETTOPUS COROMANDELIANA* Gm.  
The Cotton Teal. Grabowsky **10** Blasius 1884.

## Sub-fam. 2. Anatinae.

131. *DENDROCYGNA ARCUATA* Cuv.  
The Whistling Teal. 1866 Semmelink **223** Vorderman 1887.
132. *DENDROCYGNA JAVANICA* Horsf.  
The Javanese Whistling Teal.  
1860 Motley **141** Selater 1863.
133. *ANAS BOSCAS* Linn.<sup>4</sup>  
The Mallard.
134. *MARECA PENELOPE* Linn.  
The Wigeon. 1875 A. H. Everett **154** Sharpe 1877.
135. *DAFILA ACUTA* Linn.  
The Pintail. 1875 A. H. Everett **154** Sharpe 1877.
136. *QUERQUEDULA QUERQUEDULA* Linn.  
The Garganey. Lempriere **115** Nicholson 1883.

1. Mathews substitutes *Ixobrychus* Billberg for *Ardetta*.

2. On the authority of Van Oort (1910) p. 210.

3. Mathews substitutes *Ardeiralla* Bonaparte for *Dupetor*.

4. I have had this species entered on the Bornean list for some time, but have since mislaid the reference and entirely failed to find it again.



## 137. SPATULA CLYPEATA Linn.

The Shoveller. 1894 Sarawak Museum **214** Shelford 1901.

## Sub-fam. 3. Fuligulinae.

## 138. FULIGULA FULIGULA Linn.

The Tufted Duck. A. H. Everett **46** A. H. Everett 1890.

## ORDER X. PELECANIFORMES.

## FAM. XVIII. PHALACROCORACIDAE.

139. PHALACROCORAX<sup>1</sup> SULCIROSTRIS Brandt.

The Australian Cormorant.

1851 Croockewit **17** Bonaparte 1855.140. PHALACROCORAX PYGMAEUS Gm. *javanicus* Horsf.The Little Cormorant. 1841-7 Schwaner **17** Bonaparte 1855.

## FAM. XIX. PLOTIDAE.

## 141. PLOTUS MELANOGRASTER Gm.

The Indian Darter. 1867 Beccari **132** Salvadori 1874.

## FAM. XX. SULIDAE.

## 142. SULA PISCATRIX Linn.

The Red-legged Booby. Gulliemard **76** Guillemard 1853.<sup>2</sup>

## 143. SULA SULA Linn.

The Booby. Pryer **166** Sharpe 1881.

## FAM. XXI. FREGATIDAE.

## 144. FREGATA AQUILA Linn.

The Frigate Bird. Treacher **162** Sharpe 1879.

## 145. FREGATA ARIEL Gould.

The Small Frigate Bird. Treacher **162** Sharpe 1879.

## FAM. XXII. PELECANIDAE.

## 146. PELECANIUS ROSEUS Gm.

The Eastern White Pelican. **209** Grant 1898.<sup>3</sup>1. Mathews substitutes *Carbo* Lacépède for *Phalacrocorax*.2. Sharpe (1879) records this species from Borneo in the collections of Ussher and Treacher. Everett quotes this particular record regardless of Sharpe's remark in 1881—"I fully suspect that the young birds recorded by me from Lawas River and Sandakan (in 1879) really belonged to this species (*S. sula*), and not to *S. piscatrix*, to which I referred them."

3. Beccari (1874) suggested that this species might be found in Borneo. Grant (1898) gives its distribution as "Indo-Chinese countries, ranging eastward to Java, Borneo, the Philippines," etc. I can find no definite record for Borneo.



## ORDER XI. ACCIPITRIFORMES.

## Sub-Order I. Accipitres.

## FAM. XXIII. FLACONIDAE.

## Sub-fam. 1. Accipitrinae.

147. *CIRCUS SPILONOTUS* Kaup.  
The Eastern Marsh-Harrier.  
1874 A. H. Everett **153** Sharpe 1876.
148. *ASTUR TRIVIRGATUS* Temm. *trivirgatus* Temm.  
The Crested Goshawk. 1836 S. Muller **139** Schlegel 1862.
149. *ASTUR SOLOENSIS* Horsf.  
Horsfield's Short-toed Hawk.  
1860 Motley **141** Selater 1863.
150. *ACCIPITER*<sup>1</sup> *VIRGATUS* Temm. *virgatus* Temm.<sup>2</sup>  
The Besra Sparrow-Hawk. 1860 Motley **141** Selater 1863.
- Sub-fam. 2. Aquilinae.
151. *LOPHOTRIORCHIS KIENERI* Geoffr.  
The Rufous-bellied Hawk-Eagle.  
1854-6 Wallace **77** Gurney 1863.
152. *ICTINAETUS MALAYENSIS* Temm.  
The Black Eagle. 1865 Doria **132** Salvadori 1874.
153. *SPIZAETUS ALBONIGER* Blyth.  
Blyth's Hawk-Eagle. 1854-6 Wallace **228** Wallace 1868.
154. *SPIZAETUS LIMNAETUS* Horsf.  
The Changeable Hawk-Eagle.  
1836 S. Muller **139** Schlegel 1862.
155. *SPILOORNIS CHEELA* Lath. *bacha* Daud.<sup>3</sup>  
The Malayan Serpent-Eagle.  
1851 Croockewit **139** Schlegel 1862.

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1. Mathews substitutes *Nisus* Lacépède for *Accipiter*.

2. Sharpe (1899) in the *Hand-List* gives *Accipiter gularis* Temm. and Schleg. from "Japan, N. China, Malay Peninsula and Malay Archipelago." I can find no record of it for Borneo. Is it not the northern form of *A. virgatus*?

Hartert shows that *rufotibialis* Sharpe from Kinabalu cannot be kept separate from *virgatus*. In the original description Sharpe suggests that "it will probably be found that *A. rufotibialis* is a mountain form of *A. virgatus*, peculiar to Kina Balu." However Whitehead obtained both forms on the mountain; I obtained *virgatus* there in 1913 at 3000 ft. Hartert notes that Sharpe made an error in describing the under tail-coverts as chestnut; in Sharpe's second description (*Ibis* 1889), accompanied by a plate, they are correctly given as white.

3. Buttikofer (1900) unites the Bornean form *pallidus* Walden with the Javan *bacha*, stating that the two are not separable.

Bartlett (1896) writes of *Spilornis rajah* Sharpe, "This bird is undoubtedly a young specimen of *Sp. pallidus*. We have another skin with all the pale margins to the feathers of the head and back; it



156. BUTASTUR LIVENTER Temm.<sup>2</sup>  
The Rufous-winged Buzzard-Eagle. **132** Salvadori 1874.
157. BUTASTER INDICUS Gm.  
The Grey-faced Buzzard-Eagle. Ussher **163** Sharpe 1879.
158. HALIAETUS LEUCOGASTER Gm.  
The White-bellied Sea-Eagle.  
A. H. Everett **154** Sharpe 1877.
159. HALIAETUS LEUCORYPHUS Pall.  
Pallas's Fishing Eagle.  
1892 Sarawak Museum **111** Moulton 1914.
160. HALIASTUR INDUS Bodd. *intermedius* Gurney.  
Gurney's Brahminy Kite.  
1836 S. Muller **114** S. Muller 1839-44.
161. ELANUS HYPOLEUCUS Gould.  
Gould's Kite. 1841-7 Schwaner **139** Schlegel 1862.
162. MACHAERHAMPHUS ALCINUS Westerm.  
The Slender-billed Pern. Jameson **78** Gurney 1879.
163. PERNIS PTILONORHYNCHUS Temm.  
The Crested Honey-Buzzard.  
1865 Doria **132** Salvadori 1874.
164. BAZA JERDONI Blyth.<sup>3</sup>  
Blyth's Cuckoo-Falcon. 1826 Diard **114** S. Muller 1839-44.

**Sub-fam. 3. Falconinae.**

165. MICROHIERAX FRINGILLARIUS Drap. *fringillarius* Drap.  
The Malayan Falconet. 1836 S. Muller **139** Schlegel 1862.

appears rather older but cannot be separated from it, all the other Kuching birds vary to the same extent, and show a series of changes of plumage rather interesting."

There are now 12 specimens in the Sarawak Museum, which bear out Mr. Bartlett's remarks and I have no hesitation in sinking *S. rajah* as a synonym of *S. bacha*.

The feathers of the hind-neck and mantle change from a conspicuously white-edged stage to narrower pale buff-edged, to narrow rufous-edged and finally to uniform black-brown in old birds. The throat similarly changes from white to rufous buff and finally to black; the abdomen becomes darker with age and the white spots smaller. The Museum series illustrates these changes well.

2. Salvadori (1874) includes this on a Bornean specimen in Mus. Lugd. Everett omits it "pending further evidence" which does not yet appear to be forthcoming. Sharpe (1899) mentions the Greater Sunda Is. in his note on the distribution of the species.

3. Sharpe (1893) discusses the differences between *B. jerdoni* and *B. borneensis*, and in conclusion expresses his belief that the two will eventually prove the same. The series in the Sarawak Museum corroborates this, some agreeing well with *jerdoni*, others with *borneensis*, with others intermediate.

It seems unlikely that two species *B. borneensis* and *B. jerdoni*, occur side by side in Borneo and I have no doubt that there is only one variable species.

Finsch (1901) unites the two.



166. MICROHIERAX FRINGILLARIUS Drap. *latifrons* Sharpe.  
The North Bornean Falconet. Ussher **163** Sharpe 1879.
167. FALCO PEREGRINUS Tunst.  
The Peregrine Falcon. 1860 Motley **141** Sclater 1863.
168. FALCO ERNESTI Sharpe.  
Hose's Peregrine Falcon. Pretyman **80** Gurney 1882.
169. FALCO SEVERUS Horsf.  
The Indian Hobby. Fischer **22** Bruggemann 1877.
170. CERCHINEIS TINNUNCULUS Linn.  
The Kestrel. Ussher **162** Sharpe 1879.

### Sub-Order II. Pandiones.

#### FAM. XXIV. PANDIONIDAE.

171. PANDION HALIAETUS Linn.  
The Osprey. 1841-7 Schwaner **139** Schlegel 1862.
172. POLIOAETUS ICHTHYAETUS Horsf.  
The Large Grey-headed Fishing-Eagle.  
1836 S. Muller **114** S. Muller 1839-44.
173. POLIOAETUS HUMILIS Mull. and Schleg.  
Hodgson's Fishing-Eagle.  
1865-7 Doria **132** Salvadori 1874.

### ORDER XII. STRIGIFORMES.

#### FAM. XXV. BUBONIDAE.

##### Sub-fam. 1. Asioninae.

174. ASIO ACCIPITRINUS Pall.  
The Short-eared Owl.  
1910 Sarawak Museum **107** Moulton 1911.

##### Sub-fam. 2. Ketupinae.

175. KETUPA KETUPA Horsf.  
The Fishing-Owl. 1860 Motley **141** Sclater 1863.

##### Sub-fam. 3. Buboninae.

176. HUHUA ORIENTALIS Horsf.  
The Eastern Eagle-Owl.  
1867 Semmelink **139** Schlegel 1873.
177. SCOPS LEMPIJI Horsf. *lempiji* Horsf.  
The Collared Scops-Owl.  
1851 Croockewit **139** Schlegel 1873.
178. SCOPS MANADENSIS Quoy and Gaim. *brookei* Sharpe.  
The Rajah's Scops-Owl. C. Hose **191** Sharpe 1892.
179. SCOPS MANADENSIS Sharpe.  
The Mantanini Scops-Owl. A. H. Everett **191** Sharpe 1892.



180. *SCOPS RUFESCENS* Horsf.

The Reddish Malayan Scops-Owl.

1826 Diard **100** Low 1848.181. *HETEROSCOPS LUCIAE* Sharpe.

Whitehead's Owl.

1888 Whitehead **178** Sharpe 1888.182. *NINOX SCUTULATA* Raffl. *borneensis* Bp.<sup>1</sup>

The Bornean Brown Hawk-Owl.

**100** Low 1848.183. *NINOX SCUTULATA* Raffl. *japonica* T. & S.The Japanese Hawk-Owl. 1877 Burbidge **162** Sharpe 1879.Sub-fam. 4. *Syrniinae*.184. *SYRNIUM SELOPUTO* Horsf.

The Malayan Wood-Owl.

**201** Sharpe<sup>2</sup> 1899.185. *SYRNIUM LEPTOGRAMMICUM* Temm.

The Bornean Wood-Owl.

1826 Diard **100** Low 1848.Sub-fam. 5. *Nyctalinae*.186. *GLAUCIDIUM SYLVATICUM* Bp.

The Bornean Owlet.

C. Hose **195** Sharpe 1893.Sub-fam. 6. *Photodilinae*.187. *PHOTODILUS BADIUS* Horsf.

The Bay Owl.

Motley **105** Motley & Dillwyn 1855.**FAM. XXVI. STRIGIDAE.**188. *STRIX*<sup>3</sup> *FLAMMEA* Linn. *javanica* Gm.

The Indian Screech-Owl.

**201** Sharpe<sup>4</sup> 1899.**ORDER XIII. PSITTACIFORMES.****FAM. XXVII. PSITACIDAE.**Sub-fam. *Palaeornithinae*.189. *TANYGNATHUS LUZONENSIS* Linn. *salvadorii* Grant.

Salvadori's Paroquet.

A. H. Everett **45** Everett 1889.190. *PALAEORNIS ALEXANDRI* Linn.

The Javan Parroquet.

1851 Croockewit **141** Sclater 1863.

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1. Parrot (1908) revives Bonaparte's name *borneensis* for this bird in Borneo.
  2. Salvadori (1874) suggests that this species will be found in Borneo. Sharpe (1899) in the *Hand-List* gives Greater Sunda Is. for part of its distribution. I can find no definite record for Borneo. Everett (1899) omits it.
  3. Mathews substitutes *Tyto* Billberg for *Strix*.
  4. Sharpe (1899) in the *Hand-List* includes the Greater and Lesser Sunda Is. in the distribution of this species. I can find no definite record for Borneo.



191. *PALEORNIS LONGICAUDA* Bodd.  
The Malaccan Parroquet.  
1836 S. Muller **113** S. Muller 1839-44.
192. *PSITTINUS MALACCENSIS* Lath.  
The Blue-rumped Parroquet.  
1836 S. Muller **113** S. Muller 1839-44.
193. *LORICULUS GALGULUS* Linn.  
The Blue-crowned Hanging-Parroquet.  
Motley **105** Motley & Dillwyn 1855.

## ORDER XIV. CORACIIFORMES.

### Sub-Order I. Podargi.

#### FAM. XXVIII. PODARGIDAE,

##### Sub-fam. Podarginae.

194. *BATRACHOSTOMUS AURITUS* Gray.  
The Large Malayan Frogmouth. Low **152** Sharpe 1875.
195. *BATRACHOSTOMUS HARTERTI* Sharpe.  
The Dulit Frogmouth. C. Hose **192** Sharpe 1892.
196. *BATRACHOSTOMUS STELLATUS* Gould.  
The Ruddy Malayan Frogmouth.  
1841-7 Schwaner **34** Cassin 1851.
197. *BATRACHOSTOMUS MIXTUS* Sharpe.  
The Bornean Frogmouth. C. Hose **191** Sharpe 1892.
198. *BATRACHOSTOMUS JAVENSIS* Horsf.  
The Javan Frogmouth. 1860 Motley **141** Selater 1863.
199. *BATRACHOSTOMUS AFFINIS* Blyth.  
The Small Malayan Frogmouth. C. Hose **136** Hartert 1892.

### Sub-Order II. Coraciae.

#### FAM. XXIX. CORACIIDAE.

##### Sub-fam. Coraciinae.

200. *EURYSTOMUS ORIENTALIS* Linn. *orientalis* Linn.  
The Eastern Roller. 1826 Diard **105** Motley & Dillwyn 1855.
201. *EURYSTOMUS ORIENTALIS* Linn. *calonyx* Sharpe.  
Sharpe's Eastern Roller. A. H. Everett **208** Sharpe 1892.



## Sub-Order III. Halcyones.

## FAM. XXX. ALCEDINIDAE.

## Sub-fam. 1. Alcedininae.

202. PELARGOPSIS JAVANA Bodd. *innominata*<sup>1</sup> Van Oort.  
The Bornean White-headed Kingfisher.  
1826 Diard **141** Slater 1863.
203. ALCEDO ISPIDA Linn. *bengalensis* Gm.  
The Common Indian Kingfisher.  
Motley **132** Salvadori<sup>2</sup> 1874.
204. ALCEDO EURYZONA Temm.  
The Broad-zoned Kingfisher. **35** Cassin 1852.
205. ALCEDO MENINTING Horsf. *meninting* Horsf.  
The Malayan Kingfisher.  
1836 S. Muller **139** Schlegel 1863.

## Sub-fam. 2. Daceloninae.

206. CEYX INNOMINATA Salvad.<sup>3</sup>  
The Malayan Three-toed Kingfisher.  
Motley **105** Motley & Dillwyn 1855.
207. CARCINEUTES PULCHELLUS Horsf. *melanops* Bp.  
The Bornean Speckled Kingfisher.  
1841-7 Schwaner **14** Bonaparte 1850.
208. HALCYON COROMANDA Lath.  
The Ruddy Kingfisher.  
Motley **105** Motley & Dillwyn 1855.

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1. The following pathetic note by Dr. Van Oort indicates the depths to which we have sunk as slaves of Priority: "The form from these parts of the Philippine Islands must bear the name *javana* Boddaert; it is a miserable fact that a Philippine bird has the epithet *javana* and a bird from Java that of *capensis*, but the law of priority requires this."

To this he might have added *Rhamphalcyon capensis malaccensis* Sharpe which designates a kingfisher from — Sumatra!

The grey-capped form *fraseri* has been recorded from Borneo, but this requires confirmation.

2. From the literature at my disposal it is not at all clear who recorded this species first from Borneo.

3. Hartert suggests that *dillwynni* is probably only subspecifically separable from *C. tridactyla* on the one hand and *C. innominata* (= *euerythra*) on the other hand. Some of the specimens called *C. euerythra* in the British Museum are inseparable from *C. dillwynni*, others inseparable from *C. innominata*.

The greater part of the Sarawak Museum series comes from the neighbourhood of Kuching and among these birds I find typical *dillwynni*, typical *euerythra* and intermediates; I therefore merge these two under the name *innominata* of Salvadori who originally recorded it thus from Borneo although he recognized other species of *Ceyx* in Borneo. It is evidently a variable species and probably *C. tridactyla* will have to be used to cover all the forms.



209. *HALCYON PILEATA* Bodd.  
The Black-capped Kingfisher.  
1854-6 Wallace **132** Salvadori 1874.
210. *HALCYON SANCTA* Vig. and Horsf.  
The Sacred Kingfisher. 1836 S. Muller **139** Schlegel 1863.
211. *HALCYON CHLORIS* Bodd. *collaris* Scop.<sup>1</sup>  
The White-collared Kingfisher.  
1844 Schwaner **105** Motley & Dillwyn 1855.
212. *HALCYON CONCRETA* Temm.  
The Brown-collared Kingfisher. 1826 Diard **100** Low 1848.

### Sub-Order IV. Bucerotes.

#### FAM. XXXI. BUCEROTIDAE.

213. *BUCEROS RHINOCEROS* Linn. *rhinoceros* Linn.  
The Rhinoceros Hornbill.  
1836 S. Muller **113** S. Muller 1839-44.
214. *ANTHRACOCEROS CORONATUS* Bodd. *convexus* Temm.  
The Javan Pied Hornbill. 1826 Diard **221** Temminck 1832.
215. *ANTHRACOCEROS MALAYANUS* Raffl.<sup>2</sup>  
The Malayan Pied Hornbill.  
1826 Diard **221** Temminck 1832.
216. *CRANORRHINUS CORRUGATUS* Temm.  
Blyth's Plaited-casqued Hornbill.  
1826 Diard **221** Temminck 1832.
217. *RHYTIDOCEROS UNDULATUS* Shaw.  
The Corrugated-casqued Hornbill.  
1865 Doria **132** Salvadori 1874.
218. *RHYTIDOCEROS SUBRUFICOLLIS* Blyth.  
The Plaited-casqued Hornbill.  
1876-7 Ussher<sup>3</sup> **163** Sharpe 1879.
219. *ANORRHINUS GALERITUS* Temm.  
The Black Hornbill.  
1826 Diard **114** Schlegel & Muller 1839-44.
220. *BERENICORNIS COMATUS* Raffles.  
The White-headed Hornbill.  
1880-1 Platen **7** Blasius & Nehr Korn 1881.
221. *RHINOPLAX VIGIL* Forst.  
The Solid-casqued Hornbill.  
1836 S. Muller **113** S. Muller 1839-44.

1. *H. armstrongi* is known from Borneo. It occurs with the common *chloris*, though rarely, and I regard it as an aberration or variety only.

2. Salvadori (1874) records *H. albirostris* from Sarawak collected by Doria. Everett (1889) quotes this under the name of *A. malabaricus*. I am inclined to doubt the accuracy of this and suspect that the birds mentioned under these names should be referred to *convexus* or *malayanus*.

3. Treacher is also cited.



**Sub-Order V. Upupae.****FAM. XXXII. UPUPIDAE.**

222. UPUPA EOPS Linn.

The Hoopoe.

Treachner **162** Sharpe 1879.**Sub-Order VI. Meropes.****FAM. XXXIII. MEROPIDAE.**223. MEROPS VIRIDIS Linn.<sup>1</sup>

The Sumatran Bee-eater.

Motley **105** Motley & Dillwyn 1855.224. MEROPS PHILIPPINUS Linn. *philippinus* Linn.

The Philippine Bee-eater.

1845 Schwaner **139** Schlegel 1863.

225. NYCTIORNIS AMICTA Temm.

The Red-bearded Bee-eater.

1826 Diard **139** Schlegel 1863.**Sub-Order VII. Caprimulgi.****FAM. XXXIV. CAPRIMULGIDAE.****Sub-fam. Caprimulginae.**

226. LYNCORNIS TEMMINCKI Gould.

The Malayan Crested Nightjar.

1836 S. Muller **65** Gould 1838.

227. CAPRIMULGUS CONCRETUS Bp.

The Bornean Goatsucker. 1826 Diard **14** Bonaparte 1850.228. CAPRIMULGUS AFFINIS Horsf. *affinis* Horsf.The Chuppa Goatsucker. 1860 Motley **141** Selater 1863.

229. CAPRIMULGUS MACRURUS Horsf.

The Javan Goatsucker. Low **152** Sharpe 1875.230. CAPRIMULGUS INDICUS Lath. *jotaka* Temm. and Schleg.

The Northern Goatsucker.

1893 Buttikofer **32** Buttikofer 1900.**Sub-Order VIII. Cypseli.****FAM. XXXV. MACROPTERYGIDAE.**231. MACROPTERYX LONGIPENNIS Rafin *hartert* Stresem.

The Long-winged Swift.

Motley **105** Motley & Dillwyn 1855.

232. MACROPTERYX COMATA Temm.

The White-eyebrowed Swift.

Motley **105** Motley & Dillwyn 1855.

1. Hartert (1910) shows that this name does not apply to the Indian form and has priority over *sumatranus*, long-used for the Malayan bird.



## FAM. XXXVI. CYPSELIDAE.

## Sub-fam. 1. Chaeturiinae.

233. COLLOCALIA LOWI Sharpe.  
The Bornean Esculent Swift. Ussher **162** Sharpe 1879.
234. COLLOCALIA FUCIPHAGA Thunb.  
The Esculent Swift. 1865 Doria **132** Salvadori 1874.
235. COLLOCALIA LINCHI Horsf. and Moore *cyanoptila* Oberhols.  
The Small Malayan Esculent Swift.  
1865 Doria **132** Salvadori 1874.
236. COLLOCALIA LINCHI Horsf. and Moore *dodgei* Richmd.  
The Small Kinabalu Esculent Swift.  
1887 Whitehead **184** Sharpe 1890.
237. CHAETURA GIGANTEA Temm.  
The Giant Malayan Spine-tailed Swift.  
1876 Ussher **162** Sharpe 1879.
238. CHAETURA LEUCOPYGIALIS Blyth.  
The Small Malayan Spine-tailed Swift.  
1865 Doria **132** Salvadori 1874.

## Sub-fam. 2. Cypselinae.

239. TACHORNIS INFUMATUS Schl.  
The Eastern Palm-Swift. 1860 Motley **141** Selater 1863.
240. CYPSELUS<sup>1</sup> SUBFURCATUS Blyth.  
The Malayan House-Swift. Ussher **162** Sharpe 1879.

## ORDER XV. TROGONES.

## FAM. XXXVII. TRIGONIDAE.

241. PYROTROGON DIARDI Temm. *diardi* Temm.  
The Bornean Trogon. 1826 Diard **221** Temminck 1832.
242. PYROTROGON KASUMBA Raffles.  
The Large Malayan Black-headed Trogon.  
1826 Diard **100** Low 1848.
243. PYROTROGON WHITEHEADI Sharpe.  
Whitehead's Trogon. 1888 Whitehead **177** Sharpe 1888.
244. PYROTROGON DUVAUCELI Temm.  
The Small Black-headed Trogon.  
1836 S. Muller **114** S. Muller 1839-44.
245. PYROTROGON ORRHOPHAEUS Cab. and Heine *vidua* Grant.<sup>2</sup>  
Grant's Bornean Trogon. 1887 Whitehead **208** Grant 1892.

1. Mathews substitutes *Apus* Scopoli for *Cypselus*.

2. Buttikofer (1900) records *orrhophaeus* on two males from Mt. Liong Kubong in Central Borneo.

Grant (1892) describes *vidua* on two females from Mts. Kinabalu and Dulit. As the differences between *vidua* and *orrhophaeus* are very slight, I have little doubt that we are dealing with but one species, viz. *orrhophaeus*, of which the typical form comes from the Malay Peninsula, with a doubtfully distinct form, *vidua*, in Borneo.

It is curious that Buttikofer does not mention *vidua* when recording *orrhophaeus* as "new for the ornis of Borneo."



246. PYROTROGON ORESCIUS Temm. *dulitensis* Grant.<sup>1</sup>

The Dulit Orange Trogon.

1888 Whitehead **177** Sharpe 1888.

## ORDER XVI. COCCYGES.

### Sub-Order I. Cuculi.

#### FAM. XXXVIII. CUCULIDAE.

##### Sub-fam. 1. Cuculinae.

247. COCCYSTES COROMANDUS Linn.

The Red-winged Crested Cuckoo.

1836 S. Muller **114** S. Muller 1839-44.

248. SURNICULUS LEGUBRIS Horsf. *brachyurus* Stresem.

The Drongo-Cuckoo. 1836 S. Muller **114** S. Muller 1839-44.

249. HIEROCOCCYX SPARVEROIDES Vig.

The Large Hawk-Cuckoo. Treacher **162** Sharpe 1879.

250. HIEROCOCCYX BOCKI Wardl.-Rams.

Bock's Hawk-Cuckoo. 1888 Whitehead **177** Sharpe 1888.

251. HIEROCOCCYX FUGAX Horsf.

The Malayan Hawk-Cuckoo.

1841-7 Schwaner **141** Sclater 1863.

252. HIEROCOCCYX NANUS Hume.

The Small Hawk-Cuckoo.

1885 Whitehead **184** Sharpe 1890.

1. Sharpe (1888 and 1890) records *orescius* in Whitehead's collection from Kinabalu. Grant (1892) describes a closely allied form as *dulitensis* from Mt. Dulit. Sharpe (1900) in the *Hand-List* omits Borneo in his note on the distribution of *orescius* and for *dulitensis* he gives "Mts. of N. W. Borneo (Dulit, Kinabalu)."

In a recent expedition to Kinabalu, typical *dulitensis* were obtained, agreeing well with Dulit specimens in the Museum. In correspondence with me on this Mr. Ogilvie Grant writes "I am now returning the three specimens of *Pyrotrogon dulitensis* which you kindly sent me for examination—all are of one species, and it is quite evident after examining the male from Kinabalu that only one form occurs in Borneo.

"The true *P. oreskios* may be distinguished at once by the wider white bands on the wing-coverts and secondaries and by the distinctly deeper orange colour of the breast. The colour of the back is really a less reliable character, unless one compares examples of the two forms, which are freshly moulted or have become equally faded; but there is no doubt that if a freshly-moulted *P. dulitensis* is compared with a specimen of *P. oreskios* in a similar condition, the former will be seen to be of a very much darker colour on the back.

"I may also add that the Bornean bird has a much shorter tail, about an inch shorter than *P. oreskios* from the Malay Peninsula."

Mr. Grant suggests the possibility of *oreskios* frequenting the lower altitudes, and *dulitensis* the higher, as is the case with *Cissa minor* and *C. jefferyi*. However Whitehead's specimens of "*oreskios*" were obtained between 1000-3000 ft. in old forest, mine between 2500 and 3300 ft. in the same kind of jungle.



253. *CUCULUS MICROPTERUS* Gould.  
The Indian Cuckoo. 1836 S. Muller **114** S. Muller 1839-44.
254. *CUCULUS CANORUS* Linn.  
The Common Cuckoo. 1836 S. Muller **202** Sharpe<sup>1</sup> 1900.
255. *CUCULUS INTERMEDIUS* Hodgs. *insulindae* Hart.  
The Malayan Cuckoo.  
1836 S. Muller **114** S. Muller 1839-44.
256. *CUCULUS POLIOCEPHALUS* Lath.  
The Small Cuckoo. Ussher **162** Sharpe 1879.
257. *PENTHOCERYX SONNERATI* Lath. *pravatus* Horsf.  
The Banded Bay Cuckoo.  
1854-6 Wallace **225** Walden 1872.
258. *CACOMANTIS MERULINUS* Scop. *merulinus* Scop.  
The Rufous-bellied Cuckoo.  
1836 S. Muller **114** S. Muller 1839-44.
259. *CHALCOCOCCYX XANTHORYNCHUS* Horsf.  
The Violet Cuckoo. 1826 Diard **114** S. Muller 1839-44.
260. *CHALCOCOCCYX MALAYANUS* Raffl.  
The Malayan Violet Cuckoo.  
1836 S. Muller **114** S. Muller 1839-44.
261. *HETEROCOCCYX NEGLECTUS* Schleg.  
The Small Bornean Metallic-winged Cuckoo.  
1836 S. Muller **139** Schlegel 1864.
262. *EUDYNAMIS ORIENTALIS* Gm. *honoratus* Linn.  
The Black Indian Cuckoo.  
Motley **105** Motley & Dillwyn 1855.

Sub-fam. 2. Centropodinae.

263. *CENTROPUS RECTUNGUIS* Strickl.  
The Small Malayan Coucal.  
H. H. Everett **143** Shelly 1891.
264. *CENTROPUS SINENSIS* Steph. *bubutus* Horsf.  
The Common Malayan Chestnut Coucal.  
1826 Diard **114** S. Muller 1839-44.
265. *CENTROPUS BENGALENSIS* Gm. *javanensis* Dumont.  
The Javan Coucal. 1860 Motley **141** Sclater 1863.

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1. The species of *Cuculus* recorded from Borneo appear to be involved in a hopeless confusion of names. However it seems safe to record four different species for the island, although a correct statement as to first collector and first recorder must be left for someone who can go into the subject carefully with the aid of a complete library and the collections of the British and Leyden Museums.

Sharpe (1900) in the *Hand-List* gives "Malayan Sub-Region" in his note of the distribution of *canorus*. I can find no definite record for Borneo, though such may be easily hidden in the intricate literature of *Cuculus*. [Dr. Van Oort kindly informs me of a specimen in the Leyden Museum taken by Muller].



Sub-fam. 3. *Phoenicophainae*.

266. *ZANCLOSTOMUS JAVANICUS* Horsf.  
The Lesser Red-billed Malkoha.  
1836 S. Muller **114** S. Muller 1839-44.
267. *RHOPODYTES BORNEENSIS* Bp.  
The Bornean Green-billed Malkoha. **18** Bonaparte 1854.
268. *RHOPODYTES DIARDI* Less.  
Diard's Green-billed Malkoha. Bock **26** Buttikofer 1887.
269. *RHOPODYTES SUMATRANUS* Raffl.  
The Sumatran Green-billed Malkoha.  
1836 S. Muller **114** S. Muller 1839-44.
270. *RHINORTHA CHLOROPHAEA* Raffl.  
Raffles' Green-billed Malkoha.  
1826 Diard **114** S. Muller 1839-44.
271. *UROCOCCYX ERYTHROGNATHUS* Bp. *borneensis* Blas. & Nehrck.  
The Large Bornean Malkoha.  
1826 Diard **114** S. Muller 1839-44.

Sub-fam. 4. *Neomorphinae*.

272. *CARPOCOCCYX RADIATUS* Temm. *radiatus* Temm.  
The Bornean Pheasant-Cuckoo.  
1826 Diard **221** Temminck 1832.

## ORDER XVII. SCANSORES.

Sub-Order I. *Indicatores*.FAM. XXXIX. *INDICATORIDAE*.

273. *INDICATOR ARCHIPELAGICUS* Temm.  
The Malayan Honey-guide.  
1826 Diard **221** Temminck 1832.

Sub-Order II. *Capitones*.FAM. XL. *CAPITONIDAE*.

274. *CALORHAMPHUS HAYI* Gray *fuliginosus* Temm.  
The Bornean Red-throated Barbet.  
1826 Diard **221** Temminck 1830.
275. *CHOTORHEA CHRYSOPOGON* Temm. *chrysopsis* Goffin.  
The Bornean Golden-cheeked Barbet.  
1841-7 Schwaner **100** Low 1848.
276. *CHOTORHEA VERSICOLOR* Raffles.  
The Malayan Blue-throated Barbet.  
1841-7 Schwaner **105** Motley & Dillwyn 1855.
277. *CHOTORHEA MYSTACOPHANES* Temm. *mystacophanes* Temm.  
The Gaudy Barbet. 1836 S. Muller **100** Low 1848.
278. *CHOTORHEA MYSTACOPHANES* Temm. *monticola* Sharpe.  
The Kinabalu Barbet. 1887 Whitehead **176** Sharpe 1888.



279. *CYANOPS ARMILLARIS* Temm. *henricii* Temm.  
The Malayan Blue-headed Barbet.  
Treacher **163** Sharpe 1879.
280. *CYANOPS PULCHERRIMA* Sharpe.  
The Bornean Yellow-headed Barbet.  
1888 Whitehead **177** Sharpe 1888.
281. *MESOBUCCO DUVAUCELI* Less. *duvauceli* Less.  
The Small Malayan Barbet.  
1845 Schwaner **100** Low 1848.
282. *MESOBUCCO DUVAUCELI* Less. *eximius* Sharpe.  
The Small Dulit Barbet. C. Hose **192** Sharpe 1892.

## ORDER XVIII. PICIFORMES.

## Sub-Order Pici.

## FAM. XLI. PICIDAE.

## Sub-fam. 1. Picinae.

283. *GEVINUS PUNICEUS* Horsf. *observandus* Hart.  
The Bornean Crimson-winged Green Wood-pecker.  
Schierbrand **123** Pelzeln 1865.
284. *CHRY SOPHLEGMA MINIATUM* Forst. *malaccense* Lath.  
The Banded Red Wood-pecker. Brooke<sup>1</sup> **141** Selater 1863.
285. *CHRY SOPHLEGMA MENTALE* Temm. *humei* Harg.  
The Chequered-throated Wood-pecker.  
1865 Doria **132** Salvadori 1874.
286. *GAUROPICOIDES RAFFLESII* Vig.  
Raffles' Three-toed Wood-pecker.  
1836 S. Muller **101** Malherbe 1862.
287. *IYNGIPICUS AURANTHIVENTRIS* Salvad.  
The Golden-vented Pigmy Wood-pecker.  
1865 Doria **132** Salvadori 1874.
288. *IYNGIPICUS PICATUS* Harg.  
The Grey-crowned Pigmy Wood-pecker.  
Low **83** Hargitt 1882.
289. *IYNGIPICUS AURITUS* Gm.  
The Malayan Pigmy Wood-pecker.  
Low **132** Salvadori 1874.
290. *PYRRHOPICUS PORPHYROMELAS* Boie.  
The Malayan Bay Wood-pecker.  
1826 Diard **101** Malherbe 1862.

1. The earliest Bornean specimens appear to be in the British Museum; No dates are mentioned and I have given Sir James Brooke's name as the first collector simply because he worked in Borneo for some years the catalogue gives the names of Sir James Brooke, Low and Wallace before Low. Wallace of course was later still.



291. *MIGLYPTES TRISTIS* Horsf. *grammithorax* Malh.  
The Fulvous-rumped Barred Wood-pecker.  
1845 Schwaner **101** Malherbe 1862.
292. *MIGLYPTES TUKKI* Less.  
The Buff-necked Barred Wood-pecker.  
1860 Motley **141** Selater 1863.
293. *MICROPTERNUS BADIUS* Temm.  
The Bornean Rufous Wood-pecker.  
1826 Diard **14** Bonaparte 1850.
294. *TIGA JAVANENSIS* Ljung *javanensis* Ljung.<sup>1</sup>  
The Common Golden-backed Three-toed Wood-pecker.  
**95** Horsfield & Moore 1856-8.
295. *CHRYSOCOLAPTES VALIDUS* Temm. *xanthopygius* Finsch.  
The Fiery-chested Bornean Wood-pecker.  
Brooke **141** Selater 1863.
296. *HEMICERCUS CONCRETUS* Bp. *sordidus* Eyton.  
The Grey and Buff Wood-pecker.  
1854-7 Wallace **141** Selater 1863.
297. *ALOPHONERPES PULVERULENTUS* Temm.  
The Great Slaty Wood-pecker.  
1865 Doria **132** Salvadori 1874.
298. *THIRIPONAX JAVENSIS* Horsf. *javensis* Horsf.  
The Malayan Black Wood-pecker.  
Brooke **105** Motley & Dillwyn 1855.

Sub-fam. 2. **Picumninae.**

299. *PICUMNUS INNOMINATUS* Burton.  
The Speckled Piculet. 1893 A. H. Everett **196** Sharpe 1893.
300. *SASIA ABNORMIS* Temm. *everetti* Sharpe.<sup>2</sup>  
The Bornean Piculet. 1860 Motley **141** Selater 1863.

**ORDER XIX. EURYLAEMIFORMES.**

**FAM. XLII. EURYLAEMIDAE.**

Sub-fam. 1. **Calyptomeninae.**

301. *CALYPTOMENA VIRIDIS* Raffles.  
Raffles' Green Broadbill. 1860 Motley **141** Selater 1863.

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1. Hartert (1901) shows that *Tiga borneonensis* Dubois cannot be kept separate from this species.

2. *Sasia everetti* Sharpe is regarded by Hartert as the young form of this species. The name, however, is retained for the Bornean form of *abnormis*.



302. CALYPTOMENA HOSEI Sharpe.<sup>1</sup>  
Hose's Green Broadbill. C. Hose **193** Sharpe 1892.
303. CALYPTOMENA WHITEHEADI Sharpe.  
Whitehead's Green Broadbill.  
1887 Whitehead **174** Sharpe 1887.
- Sub-fam. 2. Eurylaeminae.**
304. PSARISOMUS DALHOUSIAE<sup>2</sup> Jameson. *psittacinus* Mull.  
The Malayan Long-tailed Broadbill.  
1887 Whitehead **173** Sharpe 1887.
305. EURYLAEMUS JAVANICUS Horsf. *harterti* van Oort.  
Hartert's Broadbill. A. H. Everett **225** Walden 1872.
306. EURYLAEMUS OCHROMELAS Raffl.  
The Black and Yellow Broadbill.  
Schierbrand **123** Pelzeln 1865.
307. CORYDON SUMATRANUS Raffl.  
The Dusky Broadbill. 1860 Motley **141** Selater 1863.
308. CYMBORHYNCHUS MACRORHYNCHUS Gm. *macrorhynchus* Gm.  
The Bornean Black and Red Broadbill.  
1860 Motley **141** Selater 1863.

## ORDER XX. PASSERIFORMES.

### Sub-Order I. Mesomyodi.

#### FAM. XLIII. PITTIDAE.

309. PITTA COERULEA Raffles.  
The Giant Pitta. 1878 W. B. Pryer **166** Sharpe 1881.
310. PITTA CYANOPTERA Temm.<sup>3</sup>  
The Lesser Blue-winged Pitta. **221** Temminck 1823.
311. PITTA MEGARHYNCHA Schleg.  
The Large-billed Blue-winged Pitta.  
1891 Sarawak Museum<sup>4</sup> **111** Moulton 1914.

1. Dr. Sharpe (1892) makes an interesting note on the discovery of this species. He writes "Mr. Everett likewise obtained a female of this species in October at the foot of Song mountain, in the Baram district, a few days after Mr. Hose had met with it on Mount Dulit."

Dr. Sharpe continues with this tribute to Mr. Everett: "I cannot allow this opportunity to pass without acknowledging the rare generosity with which my old friend Mr. Everett (who knows Bornean birds as well as anyone in the world, and who was perfectly well aware that the present species was quite new) allowed the specimens to come unnamed to England, in order that I might have the privilege of describing this splendid novelty."

2. Jameson's name appears in 1835; Muller's in the same year. I cannot find out whose has priority.

Sarawak. In reply to a letter of mine querying this, Dr. Hanitsch  
3. Hanitsch (1912) records *Pitta maxima* in the Raffles Museum from in Haviland's handwriting: "Sarawak? known only from Giolo?" writes "*Pitta maxima*: the bird is named correctly, but the label says.

4. Received in exchange from the Raffles Museum, Singapore.



312. PITTA NYMPHA Temm. and Schleg.  
The Chinese Blue-winged Pitta.  
1865 Doria **132** Salvadori 1874.
313. PITTA VENUSTA<sup>1</sup> Mull. *ussleri* Sharpe.  
Ussher's Scarlet Pitta. 1877 Ussher **155** Sharpe 1877.
314. PITTA GRANATINA Temm. *granatina* Temm.  
The Bornean Scarlet Pitta.  
1826 Diard **221** Temminck 1830.
315. PITTA ARCUATA Gould.  
The Blue-banded Pitta. A. H. Everett **66** Gould 1871.
316. PITTA ATRICAPILLA Less. *mulleri* Bp.  
Muller's Green Pitta. 1836 Muller **221** Temminck 1830.
317. PITTA BAUDI Mull. and Schleg.  
The Blue-headed Pitta.  
1836 S. Muller **114** Muller & Schlegel 1839-44.
318. EUCICHLA CYANURA Bodd. *schwaneri* Bp.  
The Black and Yellow-striped Bornean Pitta.  
1841-7 Schwaner **14** Bonaparte 1850.

### Sub-Order II. Acromyodi.

#### FAM. XLIV. HIRUNDINIDAE.

##### Sub-fam. Hirundininae.

319. CHELIDONARIA DASYPUS Bp.  
The Japanese Martin. 1826 Diard **14** Bonaparte 1850.
320. CLIVICOLA RIPARIA Linn.  
The Sand-Martin.  
1893 Sarawak Museum **214** Shelford 1901.
321. HIRUNDO<sup>2</sup> RUSTICA Linn. *gutturalis* Scop.  
The Eastern Swallow. 1860 Motley **141** Sclater 1863.
322. HIRUNDO JAVANICA Sparrm.  
The Javan Swallow. Motley **105** Motley & Dillwyn 1855.
323. HIRUNDO DAURICA Linn. *striolata* Temm. and Schl.  
The Japanese Striated Swallow.  
1900 Sarawak Museum **214** Shelford 1901.

#### FAM. XLV. MUSCICAPIDAE.

324. HEMICHELIDON SIBIRICA Gm. *fuliginosa* Hodgs.  
The Dun Flycatcher. C. Hose **198** Sharpe 1894.

1. Elliot has recorded *venusta* from Borneo, but, as Salvadori points out, only in the introduction to his monograph, not in the body of that work. The form described as *ussleri* appears to replace *venusta* in Borneo, as Everett remarks.

2. Mathews substitutes *Chelidon* Forster for *Hirundo*.



325. *HEMICHELIDON GRISEICTICTA* Swinh.<sup>1</sup>  
 Swinhoe's Dun Flycatcher.  
 1892 Sarawak Museum **107** Moulton 1911.
326. *HEMICHELIDON FERRUGINEA* Hodgs.  
 Hodgson's Eastern Flycatcher.  
 1887 Whitehead **173** Sharpe 1887.
327. *ALSEONAX LATIROSTRIS* Raffles.  
 The Brown Flycatcher. 1867 Beccari **132** Salvadori 1874.
328. *CYORNIS CONCRETA* Bp. *everetti* Sharpe.  
 The Large Bornean Blue Flycatcher  
 A. H. Everett **188** Sharpe 1890.
329. *CYORNIS UNICOLOR* Blyth *infusata* Blyth.  
 The Uniform Blue Malayan Flycatcher. **13** Blyth 1870.
330. *CYORNIS ELEGANS* Temm.  
 The Blue Malayan Flycatcher.  
 A. H. Everett **225** Walden 1872.
331. *CYORNIS ERYTHROGASTER* Sharpe.  
 The Red-bellied Blue Flycatcher.  
 Schierbrand **123** von Pelzeln 1865.
332. *CYORNIS NIGRIGULARIS* Everett.  
 Everett's Blue Flycatcher.  
 1889 A. H. Everett **48** A. H. Everett 1891.
333. *CYORNIS RUFIFRONS* Wall.  
 Wallace's Blue Flycatcher.  
 1854-6 Wallace **226** Wallace 1865.
334. *CYORNIS BECCARIANA* Salv.  
 Beccari's Blue Flycatcher.  
 1865 Beccari<sup>2</sup> **130** Salvadori 1868.
335. *CYORNIS ELOPURENSIS* Sharpe.<sup>3</sup>  
 The Sandakan Flycatcher. Pryer **187** Sharpe 1890.
336. *SCHWANERIA COERULEATA* Bp.  
 Schwaner's Blue Flycatcher.  
 1841-7 Schwaner **20** Bonaparte 1857.
337. *NITIDULA HODGSONI* Moore.  
 Hodgson's Blue Flycatcher.  
 1887 Whitehead **173** Sharpe 1887.

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1. Nine specimens in the Museum which appear to be this species. Previously recorded from Palawan, but not from Borneo.
2. Salvadori notes this species in Mus. Lugd. from Borneo, no doubt obtained by one of the earlier Dutch collectors whose name I cannot find mentioned: Beccari is therefore noted provisionally as the first to collect this species in Borneo. [Dr. Van Oort writes that the earliest Bornean specimen in the Leyden Museum is one collected by Buttikofer in July 1894].
3. Dr. Sharpe regarded this as the Bornean representative of the Javan *C. vordermani* Sharpe. It is described from a single specimen which I suspect will turn out to be a female of one of the other Bornean species of *Cyornis*.



238. *ANTHIPES OLIVACEA* Hume.  
Hume's Flycatcher. A. H. Everett **196** Sharpe 1893.
339. *ANTHIPES OBSCURA* Sharpe.  
Sharpe's Bornean Flycatcher. **165** Sharpe 1881.
340. *ERYTHROMYIAS MUELLERI* Sharpe.  
Muller's White-striped Flycatcher.  
1841-47 Schwaner **13** Blyth 1870.
341. *POLIOMYIAS LUTEOLA* Pall.  
The Small Eastern Orange-breasted Flycatcher.  
1865 Beccari **132** Salvadori 1874.
342. *DENDROBIASTES HYPERYTHRA* Blyth *malayana* Grant.  
The Malayan White-eyebrowed Flycatcher.  
1888 Whitehead **177** Sharpe 1888.
343. *MUSCICAPULA MELANOLEUCA* Hodgs. *westermanni* Sharpe.  
The Small Black and White Flycatcher.  
1888 Whitehead **177** Sharpe 1888.
344. *GERYGONE SULFUREA* Wall. *salvadorii* Buttkof.  
Salvadori's Bornean Flycatcher.  
1841-7 Schwaner **132** Salvadori 1874.
345. *XANTHOPYGIA NARCISSINA* Temm.  
The Black and Yellow Flycatcher.  
Lempriere **115** Nicholson 1883.
346. *CYANOPTILA BELLA* A. Hay.  
The Beautiful Blue-headed Flycatcher.  
Low **164** Sharpe 1879.
347. *HYPOTHYMIS AZUREA* Bodd. *prophata* Oberhols.  
The Black-crowned Blue Flycatcher.  
Schierbrand **123** Pelzeln 1865.
348. *RHIPIDURA ALBICOLLIS* Vieill.  
The White-throated Fantail Flycatcher.  
1887 Whitehead **173** Sharpe 1887.
349. *RHIPIDURA PERLATA* S. Mull.  
The White-spotted Fantail Flycatcher.  
1854-6 Wallace **132** Salvadori 1874.
350. *RHIPIDURA JAVANICA* Sparrm.<sup>1</sup>  
The Javan Fantail Flycatcher.  
1836 S. Muller **113** S. Muller 1839-44.
351. *TERPSIPHONE AFFINIS* Blyth.  
The Burmese Paradise Flycatcher.  
1860 Motley **141** Sclater 1863.

1. Two more species of *Rhipidura* have been recorded from Borneo; these are *R. phoenicura*, of which Sharpe (1879) writes "Capt. Elwes possesses a specimen said to be from that island," and *R. euryura*, of which there is a purchased specimen in the British Museum, supposed to have come from Borneo. The true habitat of both these species is Java; their occurrence in Borneo is unlikely and these single records require confirmation before the two species can be added to the Bornean list.



352. *PHILENTOMA VELATUM* Temm.<sup>1</sup>  
The Maroon-breasted Flycatcher.  
1826 Diard **12** Blyth 1865.
353. *PHILENTOMA PYRRHOPTERUM* Temm.  
The Chestnut-winged Flycatcher.  
1826 Diard **221** Temminck 1836.
354. *RHINOMYIAS PECTORALIS* Salvad.  
The Malayan Grey-breasted Flycatcher.  
1843 Schwaner<sup>2</sup> **130** Salvadori 1868.
355. *RHINOMYIAS RUFICRIS* Sharpe.  
The Bornean Grey-breasted Flycatcher.  
1887 Whitehead **173** Sharpe 1887.
356. *RHINOMYIAS GULARIS* Sharpe.  
The Kinabalu Grey-breasted Flycatcher.  
1888 Whitehead **177** Sharpe 1888.
357. *CULICICAPA CEYLONENSIS* Swains. *ceylonensis* Swains.  
The Grey-headed Flycatcher.  
1854-6 Wallace<sup>3</sup> **132** Salvadori 1874.
358. *CRYPTOLOPHA NANTIS* Sharpe.  
The Small Mountain Flycatcher  
1887 Whitehead **173** Sharpe 1887.
359. *ABRORNIS SCHWANERI* Blyth.  
Schwaner's Small Yellow-vented Flycatcher.  
1841-7 Schwaner **13** Blyth 1870.
360. *STOPAROLA THALASSINOIDES* Cab.  
The Malayan Black-throated Blue Flycatcher.  
1865 Doria **132** Salvadori 1874.
361. *STOPAROLA CERVINIVENTRIS* Sharpe.  
The Kinabalu Black-throated Blue Flycatcher.  
1887 Whitehead **173** Sharpe 1887.

#### FAM. XLVI. CAMPOPHAGIDAE.

362. *ARTAMIDES SUMATRENSIS* S. Mull.  
The Sumatran Swallow-Shrike.  
1860 Motley **141** Selater 1863.

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1. The British Museum Hand-List (1901) records Bartlett's two species of *Philentoma* (*P. saravacense* and *P. maxwelli*) from Borneo. As Shelford pointed out in 1901, the former is only the young form of this species, the latter an aberration of the next. Bartlett's types are in the Sarawak Museum.
  2. On the authority of Buttikofer (1900).
  3. Everett in 1889 quotes Wallace as an authority for this species in Borneo. Salvadori in 1874, apparently in ignorance of Wallace's specimen, gives Beccari as the discoverer of this species in Borneo. Beccari's specimen was collected in 1865, Wallace's from 1854-6; the former's record was first published in 1874, the latter's apparently not until 1889. Thus Wallace is regarded as the first captor of the species in Borneo, and Salvadori as the first to record it from Borneo.



363. *ARTAMIDES MELANOCEPHALUS* Salv. *normani* Sharpe.  
The Kinabalu Swallow-Shrike.  
1887 Whitehead **173** Sharpe 1887.
364. *CHILAMYDOCHERA JEFFERYI* Sharpe.  
Whitehead's Cuckoo-Shrike.  
1887 Whitehead **173** Sharpe 1887.
365. *PERICROCOTUS XANTHOGASTER* Raffl.  
The Malayan Yellow-bellied Minivet.  
Schierbrand **123** Pelzeln 1865.
366. *PERICROCOTUS MONTANUS* Salvad.  
The Mountain Minivet. 1887 Whitehead **173** Sharpe 1887.
367. *PERICROCOTUS PEREGRINUS* Linn.  
The Small Minivet. **14** Bonaparte<sup>1</sup> 1850.
368. *PERICROCOTUS IGNEUS* Blyth.  
The Fiery Minivet. 1866 Beccari<sup>2</sup> **132** Salvadori 1874.
369. *PERICROCOTUS CINEREUS* Lafr.  
The Ashy Minivet. 1875 A. H. Everett **154** Sharpe 1877.
370. *LALAGE TERAT* Bodd.  
The Pied Cuckoo-Shrike.  
1836 S. Muller **114** S Muller 1839-44.
371. *LALAGE FIMBRIATA* Temm. *culminata* Hay.  
The Malayan Cuckoo-Shrike.  
1836 S. Muller **114** S. Muller 1839-44.

**FAM. XLVII. PYCNONOTIDAE.**

372. *AEGITHINA VIRIDISSIMA* Bp.  
The Small Malayan Green Bulbul.  
1826 Diard<sup>3</sup> **14** Bonaparte 1850.
373. *AEGITHINA TIPHIA* Linn. *viridis* Bp.  
The Small Yellow-breasted Green Bulbul.  
1826 Diard **14** Bonaparte 1850.
374. *CHLOROPSIS VIRIDIS* Horsf. *viriditectus* Hart.  
The Bornean Green Bulbul.  
1860 Motley **141** Selater 1863.
375. *CHLOROPSIS KINABALUENSIS* Sharpe.  
The Black-throated Green Bulbul.  
1887 Whitehead **173** Sharpe 1887.
376. *CHLOROPSIS ICTEROCEPHALUS* Less. *viridinucha* Sharpe.  
Everett's Green Bulbul. **221** Temminck 1829.

1. The record of this species for Borneo requires confirmation; Bonaparte is the sole authority as yet. Everett omits it from his list.
2. Salvadori notes this species in Mus. Lugd.; probably collected before Beccari's specimen; Dr. Van Oort kindly informs me that these particular specimens in the Leyden Museum, collected by the earlier naturalists, do not bear the collector's name; but he adds that the species was collected in 1866 by Semmelink, *i.e.*, the same year as that in which Beccari's specimen was collected.
3. Dr. Van Oort very kindly informs me that this species and the next were collected by Diard in 1826.



377. *CHLOROPSIS CYANOPOGON* Temm.  
The Blue-whiskered Green Bulbul.  
1836 S. Muller **138** Schlegel 1857.
378. *IRENA CRINIGER* Sharpe.  
The Bornean Fairy Bluebird.  
Motley **105** Motley & Dillwyn 1855.
379. *HEMIXUS CONNECTENS* Sharpe.  
The Bornean White-throated Bulbul.  
1887 Whitehead **173** Sharpe 1887.
380. *HEMIXUS MALACCENSIS* Blyth.  
The Streaked Bulbul. **75** Gray 1869.
381. *IOLE OLIVACEA* Blyth.  
The Olive Bulbul. 1826 Diard **49** Finsch 1867.
382. *EUPTILOSUS EUPTILOSUS* Jard. and Selb.  
The Crested Brown Bulbul. 1826 Diard **75** Gray 1869.
383. *POLIOLOPHUS NIEUWENHUISI* Finsch.  
The Bornean Wattled Bulbul.  
1900 Nieuwenhuis **60** Finsch 1901.
384. *MICROTARSUS MELANOCEPHALUS* Gm. *melanocephalus* Gm.  
The Black-headed Bulbul. 1866 Doria **132** Salvadori 1874.
385. *MICROTARSUS MELANOLEUCUS* Eyton.  
The White-winged Black Bulbul.  
1836 S. Muller **132** Salvadori 1874.
386. *CRINIGER TEPHROGENYS* Jard. and Selb. *gutturalis* Bp.  
The Ashy-throated Bornean Bulbul.  
1843 Schwaner **14** Bonaparte 1850.
387. *CRINIGER RUFICRISSUS* Sharpe.  
The Large White-throated Bornean Bulbul.  
1877 Burbidge **161** Sharpe 1879.
388. *CRINIGER FINSCHI* Salvad.  
Finsch's Yellow-throated Bulbul.  
1865 Doria **131** Salvadori 1871.
389. *ALOPHOIXUS PHAEOCEPHALUS* Hartl.  
The Grey-headed Bulbul.  
1826 Diard **14** Bonaparte 1850.
390. *ALOPHOIXUS DIARDI* Finsch.  
Diard's Yellow-breasted Bulbul.  
1826 Diard **49** Finsch 1867.
391. *TRICHOOPHOROPSIS TYPUS* Bp.  
Van Bemmelen's Bulbul.  
1836 S. Muller **16** Bonaparte 1854.
392. *TRICHOLESTES CRINIGER* Blyth.  
The Bristle-backed Bulbul.  
1845 Schwaner **16** Bonaparte 1854.
393. *TRACHYCOMUS OCHROCEPHALUS* Gm.  
The Yellow-crown Bulbul.  
1854-6 Wallace **225** Walden 1872.



394. *PYCNONOTUS GOIAVIER* Scop. *analys* Horsf.  
The Yellow-vested Bulbul.  
1860 Motley **141** Sclater 1863.
395. *PYCNONOTUS PLUMOSUS* Blyth.  
The Large Olive Bulbul. 1865 Doria **132** Salvadori 1874.
396. *PYCNONOTUS SIMPLEX* Less. *simplex* Less.  
Moore's Olive Bulbul. 1854-6 Wallace **167** Sharpe 1881.
397. *PYCNONOTUS SALVADORI* Sharpe.  
The Small Olive Bulbul.  
1854-6 Wallace **132** Salvadori<sup>1</sup> 1874.
398. *OTOCOMPSA MONTIS* Sharpe.  
The Small Bornean Crested Bulbul.  
1877 Burbidge<sup>2</sup> **161** Sharpe 1879.
399. *OREOCTISTES LEUCOPS* Sharpe.  
The White-faced Mountain Bulbul.  
1888 Whitehead **177** Sharpe 1888.
400. *RUBIGULA CYANIVENTRIS* Blyth *paroticalis* Sharpe.  
The Bornean Slate-breasted Bulbul.  
H. H. Everett **157** Sharpe 1878.
401. *RUBIGULA WEBBERI* Hume.  
Webber's Scaly-breasted Bulbul.  
1865 Doria **132** Salvadori 1874.

# FAM. XLVIII. TIMELIIDAE.

## Sub-fam. I. Crateropodinae.

402. *EUPETES MACROCERCUS* Temm.  
The Brown Laughing-Thrush.  
A. H. Everett **188** Sharpe 1890.
403. *POMATORHINUS BORNEENSIS* Cab.  
The Bornean Scimitar Babbler.  
1836 S. Muller **114** S. Muller 1839-44.
404. *GARRULAX SCHISTOCHLAMYS* Sharpe.  
The Bornean Brown-winged Laughing-Thrush.  
1888 Whitehead **178** Sharpe 1888.
405. *ALLOCOTOPS CALVUS* Sharpe.  
The Bald-headed Laughing-Thrush.  
1888 Whitehead **177** Sharpe 1888.
406. *RHINOCICHLA MITRATA* S. Mull. *treacheri* Sharpe.  
Treacher's Red-headed Laughing-Thrush.  
1877 Burbidge **161** Sharpe 1879.

1. Salvadori records a specimen collected by Beccari in 1865 as *P. pusillus* Salv. Everett in 1889 mentions Wallace as a collector of this species in Borneo, *i.e.* ten years previous to Beccari.

2. The first examples of this species were obtained on Kinabalu by Mr. Treacher's native collectors, who accompanied Mr. Burbidge on his expedition to this mountain. Mr. Treacher did not go at all.



## Sub-fam. 2. Timeliinae.

407. *OPHRYDORNIS ALBIGULARIS* Blyth.<sup>1</sup>  
The White-throated Babbler.  
1865 Doria **130** Salvadori 1868.
408. *ANDROPHILUS ACCENTOR* Sharpe.  
The Small Friendly Babbler.  
1888 Whitehead **177** Sharpe 1888.
409. *TURDINUS ABBOTTI* Blyth. *buttikoferi* Finsch.  
The Bornean Brown-backed Tit-Babbler.  
1860 Motley **141** Sclater 1863.
410. *TURDINUS PERSPICILLATUS* Bp.  
The Large Ashy-throated Babbler.  
1841-7 Schwaner **14** Bonaparte 1850.
411. *TURDINUS PYRRHOGENYS* Temm. *canicapillus* Sharpe.  
The Bornean Mountain Babbler.  
1887 Whitehead **173** Sharpe 1887.
412. *TURDINUS RUFIVENTRIS* Salvad.  
The Bornean Lowland Babbler.  
1826 Diard<sup>2</sup> **132** Salvadori 1874.
413. *TURDINUS MAGNIROSTRIS* Moore *kalulongae* Sharpe.  
The Kalulong Babbler. C. Hose **196** Sharpe 1893.
414. *TURDINUS ATRIGULARIS* Bp.  
The Bornean Black-throated Babbler.  
1841-7 Schwaner **14** Bonaparte 1850.
415. *ERYTHROCICHLA BICOLOR* Less.  
The Malayan Red-tailed Babbler.  
1841-7 Schwaner **14** Bonaparte 1850.
416. *DRYMOCATAPHUS CAPISTRATOIDES* Temm.  
The Malayan Black-capped Babbler.<sup>3</sup> **217** Strickland 1849.

1. There appears to be some confusion over this species resulting in the record from Borneo of two Timeliinae birds called *albigularis* Blyth. Sharpe (1883) records *Dumetia albigularis* Blyth and *Malacopteryx albigulare* Blyth, the former from Madras and Ceylon, the latter from Malacca and Borneo. In the Handlist (1903) he refers to these respectively as *Ophrydornis albigularis* Blyth and *Setaria albigularis* Blyth. To the former he adds as locality "Borneo (*teste* Finsch in litt.). Buttikofer (1895), however, gives *Ophrydornis albigularis* Blyth with distribution Malacca and Borneo and refers as synonyms the *Setaria albigularis* of Blyth and of Salvadori, and the *Malacopteryx albigulare* of Sharpe.

In this list I accept Buttikofer's *Ophrydornis albigularis* Blyth with distribution Borneo and Malacca, and suggest that Finsch's record of a Bornean specimen of Sharpe's *Ophrydornis albigularis* Blyth be rejected pending further inquiry.

The question of whose *Ophrydornis albigularis* Blyth is right I must leave to some more experienced ornithologist.

2. Buttikofer (1895) states that specimens collected by Diard and Schwaner exist in the Leyden Museum.

3. Dr. Van Oort informs me that this species is represented from Borneo in the Leyden Museum, but that the specimens are very old and without collector's name.



417. *AETHIOSTOMA ROSTRATUM* Blyth *umbratila* Strickl.  
The Malayan White-vented Babbler. **217** Strickland 1849.
418. *SETARIA MAGNA* Eyton.  
The Large Red-headed Tree-Babbler. **14** Bonaparte 1850.
419. *SETARIA CINEREA* Eyton.  
The Smaller Red-headed Tree-Babbler.  
Motley **105** Motley & Dillwyn 1855.
420. *SETARIA AFFINIS* Blyth.  
The Small Brown-tailed Tree-Babbler. **100** Low 1848.
421. *SETARIA CINEREICAPILLA* Salvad.  
The Grey-headed Tree-Babbler.  
1865 Doria **130** Salvadori 1868.
422. *PTILOPYGA LEUCOGRAMMICA* Bp.  
The Bornean Streaked Babbler.  
1826 Diard **14** Bonaparte 1850.
423. *ANUROPSIS MALACCENSIS* Hartl. *malaccensis* Hartl.  
The Malacca Babbler.  
1836 S. Muller **217** Strickland 1849.
424. *TURDINULUS EPILEPPIDOTUS* Temm. *ersul* Sharpe.  
The Little Bornean Bob-tailed Babbler.  
1888 Whitehead **178** Sharpe 1888.
425. *LANIOTURDINUS CRASSUS* Sharpe.  
The Kinabalu Streaked Babbler.  
1888 Whitehead **177** Sharpe 1888.
426. *ALCIPTE CINEREA* Blyth.  
The Little Brown Tree-Babbler.  
1854-6 Wallace **170** Sharpe 1883.
427. *STACHYRIS NIGRICEPS* Hodgs. *borneensis* Sharpe.  
The Bornean Dark-throated Babbler.  
1887 Whitehead **173** Sharpe 1887.
428. *STACHYRIS POLIOGASTER* Hume.  
The Grey-breasted Babbler.  
1894 Buttkofer **32** Buttkofer 1900.
429. *STACHYRIS POLIOCEPHALA* Blyth.  
The Fiery-chested Babbler. **221** Temminck 1836.
430. *STRACHYRIS NIGRICOLLIS* Temm.  
The Black-necked Babbler.  
1836 S. Muller **221** Temminck 1836.
431. *STACHYRIS LEUCOTIS* Strickl.  
The White-eared Babbler. H. H. Everett **157** Sharpe 1878.
432. *STACHYRIS MACULATA* Temm.  
The Red-rumped Babbler. 1826 Diard **100** Low 1848.
433. *KENOPIA STRIATA* Blyth.  
The Streaky-backed Babbler.  
1836 S. Muller **14** Bonaparte 1850.



434. *CYANODERMA ERYTHROPTERUM* Blyth. *bicolor* Blyth.  
The Small Bicoloured Babbler.  
1860 Motley **141** Sclater 1863.
435. *MIXORNIS JAVANICA* Cab. *borneensis* Bp.  
The Bornean Brown Babbler.  
1836 S. Muller **14** Bonaparte 1850.
436. *MIXORNIS MONTANA* Sharpe.  
Whitehead's Brown Babbler.  
1887 Whitehead **173** Sharpe 1887.
437. *MACRONUS PTILOSUS* Jard. & Selby.  
The Hairy Babbler. 1836 S. Muller **221** Temminck 1836.

**Sub-fam. 3. Brachypteryginae.**

438. *MYIOPHONEUS BORNEENSIS* Slater.  
The Bornean Whistling-Thrush. Harvey **216** Slater 1885.
439. *BRACHYPTERYX ERYTHROGYNA* Sharpe.  
The Kinabalu Short-wing.  
1888 Whitehead **177** Sharpe 1888.

**Sub-fam. 4. Sibiinae.**

440. *STAPHIDIA CASTANEICEPS* Moore *everetti* Sharpe.  
Everett's Babbler. 1887 Whitehead **173** Sharpe 1887.
441. *HERPORNIS XANTHOLEUCA* Hodgs. *brunnescens* Sharpe.  
The Bornean Oliver Babbler.  
1854-6 Wallace **153** Sharpe 1876.

**Sub-fam. 5. Liotrichinae.**

442. *PTERYTIUS AERALATUS* Tick. *cameranoi* Salvad.  
Camerano's Shrike-Tit. 1887 Whitehead **173** Sharpe 1887.

**FAM. XLIX. TROGLODYTIDAE.**

443. *ORTHINOCICHLA WHITEHEADI* Sharpe.  
The Kinabalu Wren. 1888 Whitehead **178** Sharpe 1888.

**FAM. L. TURDIDAE.**

**Sub-fam. 1. Turdinae.**

444. *MERULA SEEBOHMI* Sharpe.  
Seebohm's Blackbird. 1888 Whitehead **177** Sharpe 1888.
445. *GEOCICHLA INTERPRES* Kuhl.  
Kuhl's Ground-Thrush. 1887-8 Adams **40** Elliot 1890.
446. *GEOCICHLA CITRINA* Lath. *aurata* Sharpe.  
The Golden-headed Kinabalu Ground-Thrush.  
1888 Whitehead **178** Sharpe 1888.
447. *GEOCICHLA EVERETTI* Sharpe.  
Everett's Ground-thrush. Hose **192** Sharpe 1892.
448. *TURDUS OBSCURUS* Gm.  
The Dark Ouzel. Motley **105** Motley & Dillwyn 1855.



449. PETROPHILA CYANUS Linn. *manilla* Bodd.  
The Eastern Rock-Thrush.  
1872 Ussher **154** Sharpe<sup>1</sup> 1877.

Sub-fam. 2. Henicurinae.

450. HENICURUS LESCHENAULTI Vieill. *borneensis* Sharpe.  
The Bornean Forktail. 1888 Whitehead **181** Sharpe 1889.  
451. HYDROCICHLA RUFICAPILLUS Temm.  
The Chestnut-headed Forktail.  
1874 A. H. Everett **153** Sharpe 1876.  
452. HYDROCICHLA FRONTALIS Blyth.  
The White-crowned Forktail.  
1841-7 Schwaner **132** Salvadori 1874.

Sub-fam. 3. Rutilillinae.

453. LARVIVORA CYANEA Pall.  
The Siberian Blue Robin. Low **144** Seeborn 1881.  
454. COPSCHUS SAULARIS Linn. *musicus* Raffl.<sup>2</sup>  
The Malayan Magpie-Robin.  
1826 Diard **14** Bonaparte 1850.  
455. COPSCHUS SAULARIS Linn. *niger* Wardl.-Rams.  
The Black-vented Magpie-Robin.  
Pryer **230** Wardlaw-Ramsay 1886.  
456. CITTOCINCLA MACRURUS Gm. *suavis* Sclater.  
The Common Bornean Shama.  
1860 Motley **140** Sclater 1861.  
457. CITTOCINCLA MACRURUS Gm. *stricklandi* Motl. & Dillw.  
The White-crowned Bornean Shama.  
Motley **105** Motley & Dillwyn 1855.  
458. TRICHIXUS PYRRHOPYGUS Less.  
The Brown-tailed Robin.  
1854-6 Wallace **132** Salvadori 1874.

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1. Sharpe records a specimen collected by Everett in 1875 as the first Bornean examples; Seeborn (1881) notes a specimen collected by Ussher in 1872.

2. Hartert calls the Bornean form *amoenus* and states that the black-bellied form (= *niger* Wardl.-Rams.) occurs together with the white-bellied form in Borneo. I think the latter is replaced in North Borneo by the black form which may be kept apart as a northern subspecies. The Sarawak specimens agree with the description of *musicus* better than with that of *amoenus*. If this is correct we have a more natural distribution, viz.

*C. saularis saularis* L., India to China and Hainan.

*C. saularis musicus* Raffl., Malay Peninsula, Sumatra and Borneo.

*C. saularis amoenus* Horsf., Java and Bali (and South Borneo?)

*C. saularis niger* Wardl.-Ram., North Borneo.

Buttkofer (1900) notes the Javan form *amoenus* from "East Java, Bali and Borneo, with the exception of Sarawak and the Kapuas region."



## Sub-fam. 4. Saxicolinae.

459. PRATINCOLA MAURA Pall.  
The Indian Bush-Chat.  
1898 Sarawak Museum **210** Shelford 1898.
460. PRATINCOLA CAPRATA Linn. *caprata* Linn.  
The Common Pied Bush-Chat. **9** Blasius 1883.

## FAM. LI. SYLVIIDAE.

461. LOCUSTELLA OCHOTENSIS Midd.  
Middendorff's Grasshopper-Warbler. Low **162** Sharpe 1879.
462. LOCUSTELLA CERTHIOLA Pall.  
Pallas's Grasshopper-Warbler.  
1865 Doria **132** Salvadori 1874.
463. ACROCEPHALUS ARUNDINACEUS Linn. *orientalis* T. and S.  
The Chinese Great Reed-Warbler.  
1836 S. Muller **14** Bonaparte 1850.
464. ORTHOTOMUS ATRIGULARIS Temm.  
The Black-necked Tailor-bird. **221** Temminck 1836.
465. ORTHOTOMUS RUFICEPS Less.  
The Red-headed Tailor-bird.  
1836 S. Muller **221** Temminck 1836.
466. ORTHOTOMUS SEPIUM Horsf. *cineraceus* Blyth.  
The Ashy Tailor-bird. 1860 Motley **141** Selater 1863.
467. CISTICOLA CISTICOLA Temm.  
The Rufous Fantail-Warbler. **170** Sharpe<sup>1</sup> 1883.
468. PHYLLOSCOPUS TRIVIRGATA Strickl. *kinabaluensis* Sharpe.  
The Small Kinabalu Warbler.  
1888 Whitehead **177** Sharpe 1888.
469. PHYLLOSCOPUS BOREALIS Blas.  
The Arctic Willow-Warbler.  
1866 Beccari **132** Salvadori 1874.
470. PHYLLOSCOPUS XANTHODRYAS Swinh.  
Swinhoe's Willow-Warbler. Treacher **162** Sharpe 1879.
471. HORORNIS FORTIPES Hodgs. *oreophila* Sharpe.  
The Kinabalu Bush-Warbler.  
1888 Whitehead **177** Sharpe 1888.

1. Sharpe (1883) mentions "Indo-Malayan Islands" for part of the distribution of this species, though no Bornean specimens are given in his Catalogue. In the Hand-list (1903) "Greater and Lesser Sunda Is." appears in the distribution.

In a paper on Palawan Birds, Sharpe (1888) notes that the species is found in Borneo and Palawan. But I can find no more definite record for Borneo.

*C. exilis* is referred to the Malay Archipelago (among other regions) in the Hand-list, but as the Catalogue lists the Malayan Islands, in which it occurs, without giving Borneo, I omit it from this list.



472. *PHYLLERGATES CUCULLATUS* Temm. *cucullatus* Temm.  
Temminck's Warbler. 1887 Whitehead **173** Sharpe 1887.
473. *BURNESIA SUPERCILIARIS* Salvad.  
The Bornean Wren-Warbler.  
1860 Motley **141** Sclater 1863.

**FAM. LII. ARTAMIDAE.**

474. *ARTAMUS LEUCORHYNCHOS* Linn. *leucorhynchos* Linn.  
The White-bellied Swallow-Shrike.  
1860 Motley **141** Sclater 1863.

**FAM. LIII. PRIONOPIDAE.**

475. *HEMIPUS OBSCURUS* Horsf.  
The Malayan Pied Shrike. 1860 Motley **141** Sclater 1863.
476. *HEMIPUS PICATUS* Sykes.<sup>1</sup>  
The Black-backed Pied Shrike.  
1887 Whitehead **180** Sharpe 1889.
477. *TEPHRODORNIS GULARIS* Raffles *frenatus* Buttik.  
The Bornean Wood-Shrike.  
1865 Doria **132** Salvadori 1874.
478. *PLATYLOPHUS CORONATUS* Raffles.  
The Brown Crested Jay-Shrike.  
1841-7 Swanner **16** Bonaparte 1854.
479. *PLATYLOPHUS LEMPRIERI* Nicholson.<sup>2</sup>  
Lempriere's Jay-Shrike. Lempriere **115** Nicholson 1883.

**FAM. LIV. LANIIDAE.****Sub-fam. 1. Gymnorhinae.**

480. *PITYRIASIS GYMNOCEPHALA* Temm.  
The Bald-headed Mynah. 1826 Diard **221** Temminck 1835.

**Sub-fam. 2. Laniinae.**

481. *ENNEOCTONUS TIGRINUS* Drap.  
The Thick-billed Shrike. 1881 Grabowsky **9** Blasius 1883.
482. *CEPHALOPHONEUS SCHACH* Linn. *nansutus* Scop.  
The Bornean Black-headed Shrike. **15** Bonaparte 1853.

1. Buttikofer (1900) shows that *Hemipus intermedius* Salvad. cannot be kept separate from this species.
2. This species is described as like *P. coronatus*, "sed clarius rufus, et genis nigris distinguendus." Dr. Sharpe has examined the type and regards it as a good species. Specimens in the Sarawak Museum vary; thus one with brown cheeks is distinctly a redder brown on the back than most of the others. Two have blackish cheeks but in these the brown colouring above is similar to the majority of brown-cheeked birds. Everett notes that it and *P. coronatus* appear to have been taken by Pryer in the same locality and I think there can be little doubt that *lemprieri* is a variety or more probably a younger phase of *P. coronatus*. However, without having examined the type of *lemprieri* I retain them provisionally as distinct.



483. OTOMELA CRISTATA Linn. *cristata* Linn.<sup>1</sup>  
The Brown Shrike. **73** Grant 1902.
484. OTOMELA CRISTATA Linn. *lucionensis* Linn.  
The Philippine Shrike.  
1841-7 Schwaner **14** Bonaparte 1850.
485. OTOMELA CRISTATA Linn. *superciliosa* Lath.  
The Chestnut-crowned Shrike. **73** Grant 1902.

## Sub-fam. 3. Pachycephalinae.

486. HYLOTERPE GRISOLA Blyth. *grisola* Blyth.<sup>2</sup>  
The Grey Malayan Shrike.  
1841-7 Schwaner **14** Bonaparte 1850.
487. HYLOTERPE HYPOXANTHA Sharpe.  
The Kinabalu Yellow-breasted Shrike.  
1887 Whitehead **173** Sharpe 1887.

## FAM. LV. PARIDAE.

488. PARUS SARAWACENSIS Slater.  
The Sarawak Titmouse. Harvey **216** Slater 1885.

## FAM. LVI. SITTIDAE.

489. DENDROPHILA FRONTALIS Swains. *corallipes* Sharpe.  
The Red-legged Blue Nuthatch.  
Schierbrand **123** Pelzeln 1865.

## FAM. LVII. ZOSTEROPIDAE.

490. ZOSTEROPS PALPEBROSA Temm. *aureiventris* Hume.  
Hume's White-eye. 1887 Whitehead **173** Sharpe 1887.
491. ZOSTEROPS FLAVA Horsf. *flava* Horsf.<sup>3</sup>  
The Yellow White-eye.  
1841-7 Schwaner **96a** Jacquinot 1853.
492. ZOSTEROPS ATRIFRONS Wall. *clara* Sharpe.  
The Kinabalu White-eye.  
1888 Whitehead **178** Sharpe 1888.

1. The species of *Lanius* were revised by Grant (1902) whose work was adversely criticized by Hartert (1906). Grant's arrangement of this particular group of *Lanius* species appears unnatural, but unfortunately Hartert's corrections, being for the most part confined to Palaearctic forms, do not cover this group. Two courses are therefore open to me: (i) to regard our three as separate species, (ii) to guess their relations as sub-species. I have chosen the latter course and suggest that typical *cristata* breeds in Eastern Siberia, with a sub-species *lucionensis* in Corea and Mongolia and another, *superciliosa*, in Japan. All three migrate southwards and join the Bornean list.
2. Stresemann describes another subspecies, *H. grisola secedens*, having practically the same distribution as typical *H. grisola*.
3. The Bornean form appears to be more yellow than the typical form from Java and probably merits subspecific distinction.



493. *ZOSTEROPS SQUAMIFRONS* Sharpe.  
Hose's White-eye. C. Hose **192** Sharpe 1892.
494. *CHLOROCHARIS EMILIAE* Sharpe.  
Whitehead's White-eye. 1888 Whitehead **177** Sharpe 1888.

### FAM. LVIII. DICAETIDAE.

495. *DICAETUM FLAMMEUM* Sparrm.  
The Javan Flower-pecker. Schwaner **14** Bonaparte<sup>1</sup> 1850.
496. *DICAETUM CRUENTATUM* Linn.<sup>2</sup>  
The Scarlet-backed Flower-pecker.  
Motley **105** Motley & Dillwyn 1855.
497. *DICAETUM SULAENSE* Sharpe *monticulum* Sharpe.  
Whitehead's Flower-pecker.  
1887 Whitehead **173** Sharpe 1887.
498. *DICAETUM TRIGONOSTIGMA* Scop.  
The Orange-bellied Flower-pecker.  
Motley **105** Motley & Dillwyn 1855.
499. *DICAETUM CHRYSORRHOEUM* Temm.  
The Yellow-vented Flower-pecker.  
1836 S. Muller **126** Reichenbach 1853.
500. *PRIONOCHILUS PENCRUSSUS* Temm. *ignicapillus* Eyton.  
The Crimson-breasted Flower-pecker.  
1881 Grabowsky **9** Blasius 1883.
501. *PRIONOCHILUS XANTHOPYGIUS* Salvad.  
The Yellow-rumped Flower-pecker.  
1865 Doria **129** Salvadori 1868.
502. *PRIONOCHILUS THORACICUS* Temm.  
The Black-throated Flower-pecker. **221** Temminck 1836.
503. *PRIONOCHILUS MACULATUS* Temm.  
The White-throated Flower-pecker. **221** Temminck 1836.
504. *PRIONOCHILUS EVERETTI* Sharpe.  
Everett's Flower-pecker. A. H. Everett **154** Sharpe 1877.

### FAM. LIX. NECTARINIIDAE.

#### Sub-fam. Nectariniinae.

505. *CHALCOSTETHA PECTORALIS* Temm.  
Maklot's Sun-bird. 1860 Motley **141** Selater 1863.
506. *AETHOPYGA SIPARAJA* Raffl. *temmincki* S. Mull.  
Temminck's Sun-bird. H. H. Everett **157** Sharpe 1878.

1. Buttkofer (1900) confirms this record.

2. The Bornean form is usually known as *nigrimentum*, characterized by the black chin in the male, which is further developed into a black-throated form, *pryeri*, in North-east Borneo. A long series in the Sarawak Museum from Kuching shows both forms, as well as the typical continental forms with buff-white chin and throat. The separation of the Bornean forms is therefore unnecessary.



507. *AETHOPYGA SIPARAJA* Raffles *siparaja* Raffles.  
The Purple-headed Sun-bird.  
1836 S. Muller **114** Muller & Schlegel 1846.
508. *LEPTOCOMA HASSELTII* Temm.  
Van Hasselt's Sun-bird.  
1836 S. Muller **114** Muller & Schlegel 1846.
509. *CYRTOSTOMUS PECTORALIS* Horsf.  
The Malayan Yellow-breasted Sun-bird.  
Motley **105** Motley & Dillwyn 1855.
510. *ARACHNOTHERA LONGIROSTRIS* Lath. *buttikoferi* Van Oort.  
The Little Bornean Spider-hunter.  
1836 S. Muller **114** Muller & Schlegel 1846.
511. *ARACHNOTHERA AFFINIS* Horsf. *everetti* Sharpe.  
Haviland's Spider-hunter.  
1892 Haviland<sup>1</sup> **196** Sharpe 1893.
512. *ARACHNOTHERA AFFINIS* Horsf. *modesta* Eyton.  
The Grey-breasted Spider-hunter.  
1865 Doria **132** Salvadori 1874.
513. *ARACHNOTHERA CHRYSOGENYS* Temm.  
The Yellow-eared Spider-hunter.  
1836 S. Muller **113** Muller & Schlegel 1846.
514. *ARACHNOTHERA JULIAE* Sharpe.  
Whitehead's Spider-hunter.  
1887 Whitehead **173** Sharpe 1887.
515. *ARACHNORHAPHIS ROBUSTA* Mull. & Schleg. *robusta* M. & S.  
The Long-billed Spider-hunter.  
1836 S. Muller **33** Cabanis 1850.
516. *ARACHNORHAPHIS CRASSIROSTRIS* Reichenb.  
The Grey-throated Spider-hunter.  
1866 Beccari **132** Salvadori 1874.
517. *ARACHNORHAPHIS EYTONI* Salvad.  
Eyton's Yellow-eared Spider-hunter.  
1865 Beccari **132** Salvadori 1874.
518. *ANTHOTHREPTES HYPOGRAMMICA* S. Mull.  
The Banded Sun-bird. 1836 S. Muller **113** Muller 1843.
519. *ANTHOTHREPTES SIMPLEX* S. Mull.  
The Plain-coloured Sun-bird.  
1836 S. Muller **113** Muller 1843.
520. *ANTHOTHREPTES MALACCENSIS* Scop. *malaccensis* Scop.  
The Brown-throated Sun-bird.  
1836 S. Muller **114** Muller & Schlegel 1846.
521. *ANTHOTHREPTES RHODOLAEMA* Shelley.  
The Rufous-throated Sun-bird. Treacher **163** Sharpe 1879.

1. Sharpe describes this species in October 1893 from specimens collected by A. H. Everett's hunters, presumably a few months before. The Sarawak Museum has one specimen collected by Haviland on Kinabalu in april 1892 at an altitude of 3,200 ft. (labelled *A. affinis* by him.)



## 522. CHALCOPARIA PHOENICOTIS Temm.

The Ruby-cheek.

1836 S. Muller **114** Muller & Schlegel 1846.

## FAM. LX. MOTACILLIDAE.

## 523. MOTACILLA LUGENS Kittl.

The Chinese Streak-eyed Wagtail.

1896 Sarawak Museum **107**<sup>1</sup> Moulton 1914.524. MOTACILLA BOARULA Linn. *melanope* Pall.The Grey Wagtail. 1854-6 Wallace **132** Salvadori 1874.525. MOTACILLA FLAVA Linn. *simillima* Hart.<sup>2</sup>

The Yellow-breasted Wagtail.

1860 Motley **141** Sclater 1863.

## 526. DENDRANTHUS INDICUS Gm.

The Forest Wagtail.

**14** Bonaparte 1850.527. ANTHUS RUFULUS Vieill.<sup>3</sup>

The Indian Pipit.

**75** Gray 1869.

## 528. ANTHUS GUSTAVI Swinh.

The Siberian Pipit.

Treacher **163** Sharpe 1879.

## FAM. LXI. ALAUDIDAE.

529. MIRAFRA JAVANICA Horsf. *javanica* Horsf.

The Malayan Lark.

1860 Motley **141** Sclater 1863.

## FAM. LXII. FRINGILLIDAE.

530. PASSER MONTANUS Linn. *saturatus* Stejn.<sup>4</sup>

The Oriental Tree-sparrow.

**206** Sharpe 1909.

1. Apparently the first published record for Borneo.

2. The allied form *M. flava taivana* Swinh. is said to occur in the Malay Archipelago in winter. I can find no record for Borneo.3. Sharpe (1889 and 1890) records *Anthus richardi* Vieill. in Whitehead's collection from Labuan, Nov. 8th, 1887.Everett (1889) quotes Whitehead for this same locality and date for *Anthus campestris* Linn. without any explanation of this change in name.Neither the British Museum Catalogue (1885) nor the Hand-List (1909) allow Malayan countries for the distribution of either of the species. Possibly Whitehead's specimens should be referred to *A. rufulus* Vieill.*A. cervinus* is also recorded from Borneo on a young male collected by A. H. Everett at Bintulu in 1875. No mention of an Eastern or Indo-Malayan range appears in the Hand-List, so presumably this specimen has since been referred to one of the two *Anthus* species now recognized from Borneo.4. Van Oort (1910) notes that the Malayan form *malaccensis* is not separable from the Japanese, and he recognizes only a Western form *montana typica* and an Eastern form *montana saturatus* Stejn.



## FAM. LXIII. PLOCEIDAE.

## Sub-fam. Viduinae.

531. MUNIA ORIZIVORA Linn.  
The Java Sparrow. 1860 Motley **141** Sclater 1863.
532. MUNIA ATRICAPILLA Vieill. *brunneiceps* Wald.  
The Bornean Black-headed Munia.  
Motley **105** Motley & Dillwyn 1855.
533. UROLONCHA LEUCOGASTER Blyth *leucogaster* Blyth.  
The White-bellied Munia. 1865 Doria **132** Salvadori 1874.
534. UROLONCHA FUSCANS Cass.  
The Dusky Munia. **36** Cassin 1852.
535. ERYTHRURA PRASINA Sparrm.  
The Long-tailed Munia. 1865 Doria **132** Salvadori 1874.
536. CHLORURA HYPERYTHRA Reichenb. *borneensis* Sharpe.  
The Bornean Munia. 1887 Whitehead **173** Sharpe 1887.

## FAM. LXIV. STURNIDAE.

537. STURNIA VIOLACEA Bodd.  
The Japanese Mynah. Treacher **163** Sharpe 1879.

## FAM. LXV. EULABETIDAE.

538. EULABES JAVANENSIS Osb.  
The Malayan Grackle.  
Motley **105** Motley & Dillwyn 1855.
539. LAMPROCORAX CHALYBEUS Horsf.  
The Glossy Tree-Starling.  
Motley **105** Motley & Dillwyn 1855.

## FAM. LXVI. ORIOLIDAE.

540. ORIOLUS MACULATUS Vieill *maculatus* Vieill.  
The Yellow Malayan Oriole.  
1846 Low<sup>1</sup> **139** Schlegel 1867.
541. ORIOLUS XANTHONOTUS Horsf. *xanthonotus* Horsf.  
The Black-headed Malayan Oriole.  
1841-? Schwaner **141** Sclater 1863.
542. ORIOLUS XANTHONOTUS Horsf. *consobrinus* Wardl.-Rams.  
Everett's Oriole.  
H. H. Everett **229** Wardlaw-Ramsay 1879.

1. Everett (1889) notes that the Oriole recorded by Schlegel as *O. indicus* is identical with *O. maculatus*. This (and two other specimens) were obtained by Croockewit in 1851. Everett also notes a specimen in the British Museum registered as collected by Low in Borneo in 1846. He continues, "I include the species with considerable doubt, for it is very singular that so conspicuous a bird has not occurred to any one of the numerous collectors since 1846."

The Sarawak Museum has one example collected near Kuching in 1893.



543. *ORIOLOUS CRUENTUS* Wagl. *vulneratus* Sharpe.  
Whitehead's Oriole. 1887 Whitehead **173** Sharpe 1887.
544. *ORIOLOUS HOSEI* Sharpe.  
Hose's Oriole. C. Hose **191** Sharpe 1892.

## FAM. LXVII. DICRURIDAE.

545. *DICRURUS ANNECTENS* Hodgs.  
The Crow-billed Drongo. Ussher **157** Sharpe 1878.
546. *DICRUOPSIS PECTORALIS* Wall. *borneensis* Sharpe.  
The Bornean Hair-crested Drongo.  
Treacher **161** Sharpe 1879.
547. *CHAPTIA AENEA* Vieill. *malayensis* Blyth.  
The Malayan Bronzed Drongo.  
1860 Motley **141** Sclater 1863.
548. *BUCHANGA STIGMATOPS* Sharpe.  
The Bornean Ashy Drongo.  
1877 Burbidge **161** Sharpe 1879.
549. *DISSEMURUS PARADISEUS* Linn.  
The Large Racquet-tailed Drongo.  
1841-7 Schwaner **14** Bonaparte 1850.

## FAM. LXVIII. CORVIDAE.

550. *CORVUS MACRORHYNCHUS* Wagl.  
The Jungle-Crow. 1851 Croockewit **138a** Schlegel 1859.
551. *CORVUS ENCA* Horsf. *compiler* Richm.  
The Slender-billed Crow.  
1846 Schwaner **138a** Schlegel 1859.
552. *DENDROCITTA OCCIPITALIS* Mull. *cinerascens* Sharpe.  
The Bornean Tree-pie. Treacher **163** Sharpe 1879.
553. *CISSA CHINENSIS* Bodd. *minor* Cab.  
The Malayan Green Magpie. Treacher **162** Sharpe 1879.
554. *CISSA CHINENSIS* Bodd. *jefferyi*<sup>1</sup> Sharpe.  
Whitehead's Green Magpie.  
1888 Whitehead **177** Sharpe 1888.
555. *PLATYSMURUS LECOPTERUS* Temm. *aterrimus* Temm.  
The Black Bornean Jay.  
1826 Diard **221** Temminck 1825.

1. Hartert notes that "in view of the occurrence of two closely allied species together on Borneo, we cannot be too careful in regarding any *Cissa* as a subspecies of another."

Whitehead expressly states that *jefferyi* is only found above 4000 ft., *minor* only below 3000 ft. Therefore they are *not* found together and thus admirably fit the definition of a subspecies or geographical race, the one being the mountain form of the other. The only two specimens obtained on my recent expedition were one *C. minor* in secondary jungle at 3000 ft. (below the Minitindok gorge which forms the entrance to the higher jungle region of the mountain), and one *C. jefferyi* in virgin jungle at 4500 ft.



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